

RUBRIQUE 1: Identification de la substance/du mélange et de la société/l'entreprise

· 1.1 Identificateur de produit

- | | |
|---------------------------|-----------------------|
| · Nom du produit: | ACETONE |
| · Code du produit: | 0008 |
| · No CAS: | 67-64-1 |
| · Numéro CE: | 200-662-2 |
| · Numéro index: | 606-001-00-8 |
| · Numéro d'enregistrement | 01-2119471330-49-XXXX |

1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées

- Emploi de la substance / de la préparation
 - Solvants
 - Fabrication de produits chimiques

1.3 Renseignements concernant le fournisseur de la fiche de données de sécurité

RUBRIQUE 2: Identification des dangers

· 2.1 Classification de la substance ou du mélange

- Classification selon le règlement (CE) n° 1272/2008



Flam. Liq. 2 H225 Liquide et vapeurs très inflammables.



Eye Irrit. 2 H319 Provoque une sévère irritation des yeux.
STOT SE 3 H336 Peut provoquer somnolence ou vertiges.

· 2.2 Éléments d'étiquetage

- Etiquetage selon le règlement (CE) n° 1272/2008
 - Pictogrammes de danger

La substance est classifiée et étiquetée selon le règlement CLP.



- Mention d'avertissement
 - Mentions de danger
 - Conseils de prudence

Danger
H225 Liquide et vapeurs très inflammables.
H319 Provoque une sévère irritation des yeux.
H326 Peut provoquer somnolence ou vertiges.

Tenir hors de portée des enfants

*Tenir hors de portée des enfants.
Lire l'étiquette avant utilisation.*

Étre lequel que avant utilisation.
En cas de consultation d'un médecin, garder à disposition le récipient ou l'étiquette.
P243 *Prendre des mesures de précaution contre les décharges électrostatiques.*
P303+P361+P353 EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): *Enlever immédiatement tous les vêtements contaminés. Rincer la peau à l'eau/S'essuyer.*

(suite page 2)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 08.01.2016

Numéro de version 25

Révision: 08.01.2016

Nom du produit: ACETONE

(suite de la page 1)	
P305+P351+P338	EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.
P304+P340	EN CAS D'INHALATION: transporter la personne à l'extérieur et la maintenir dans une position où elle peut confortablement respirer.
P337+P313	Si l'irritation oculaire persiste: consulter un médecin.
P403+P233	Stocker dans un endroit bien ventilé. Maintenir le récipient fermé de manière étanche.
P501	Éliminer le contenu/récipient conformément à la réglementation locale/régionale/nationale/internationale.
	EUH066 L'exposition répétée peut provoquer dessèchement ou gercures de la peau.
· Indications complémentaires:	
· Indications particulières concernant les dangers pour l'homme et l'environnement:	<i>Le produit ne possède pas, ou n'engendre pas en cours d'utilisation, d'autres propriétés dangereuses qui ne ferait pas l'objet d'une classification selon le règlement (CE) n°1272/2008.</i>
· 2.3 Autres dangers	
· Résultats des évaluations PBT et vPvB	
· PBT:	<i>Le produit ne possède pas de propriétés PBT telles que définies à l'annexe XIII du règlement (CE) n°1907/2006.</i>
· vPvB:	<i>Le produit ne possède pas de propriétés vPvB telles que définies à l'annexe XIII du règlement (CE) n°1907/2006.</i>

RUBRIQUE 3: Composition/informations sur les composants

· 3.1 Substances	
· No CAS Désignation	67-64-1 ACETONE
· Code(s) d'identification	
· Numéro CE:	200-662-2
· Numéro index:	606-001-00-8
· SVHC	néant

RUBRIQUE 4: Premiers secours

· 4.1 Description des premiers secours	
· Remarques générales:	<i>Enlever immédiatement les vêtements contaminés par le produit. Amener les sujets à l'air frais. Contacter le personnel secouriste et le service Hygiène Sécurité Environnement. En cas d'inconscience, coucher et transporter la personne en position latérale stable. Amener les sujets à l'air frais et les garder au calme. Laver immédiatement à l'eau. Rincer les yeux, pendant 15 minutes, sous l'eau courante en écartant bien les paupières et consulter un ophtalmologiste. Vérifier que la victime ne porte pas de verres de contact, les retirer. Tourner sur le côté une personne couchée sur le dos, qui est en train de vomir. Ne pas faire vomir sauf indication contraire du corps médical. Demander immédiatement conseil à un médecin.</i>
· Après inhalation:	
· Après contact avec la peau:	
· Après contact avec les yeux:	
· Après ingestion:	
· 4.2 Principaux symptômes et effets, aigus et différés	
· 4.3 Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires	<i>Etourdissement</i> <i>Pas de traitement spécifique requis.</i>

RUBRIQUE 5: Mesures de lutte contre l'incendie

· 5.1 Moyens d'extinction	
· Moyens d'extinction:	<i>Adapter les mesures d'extinction d'incendie à l'environnement. CO2, poudre d'extinction ou eau pulvérisée. Combattre les foyers importants avec de l'eau pulvérisée ou de la mousse résistant à l'alcool.</i>
· 5.2 Dangers particuliers résultant de la substance ou du mélange	<i>Monoxyde de carbone (CO) Dioxyde de carbone Des vapeurs peuvent former avec l'air un mélange explosif. Les eaux de ruissellement vers les égouts peut provoquer un incendie ou une explosion.</i>
· 5.3 Conseils aux pompiers	
· Equipement spécial de sécurité:	<i>Porter un appareil de respiration indépendant de l'air ambiant. Ne pas inhale les gaz d'explosion et les gaz d'incendie. Refroidir les récipients en danger en pulvérisant de l'eau.</i>
· Autres indications	

RUBRIQUE 6: Mesures à prendre en cas de dispersion accidentelle

· 6.1 Précautions individuelles, équipement de protection et procédures d'urgence	
	<i>Porter un appareil de protection respiratoire. Porter un équipement de sécurité. Eloigner les personnes non protégées. Eviter le contact avec la peau et les yeux</i>

(suite page 3)
FR

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 08.01.2016

Numéro de version 25

Révision: 08.01.2016

Nom du produit: ACETONE**6.2 Précautions pour la protection de l'environnement:**

NE PAS TOUCHER ni marcher dans le produit répandu.

(suite de la page 2)

Eviter de rejeter à l'égout, les fosses et les caves.

Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.

6.3 Méthodes et matériel de confinement et de nettoyage:

Recueillir les liquides à l'aide d'un produit absorbant (sable, kieselguhr, neutralisant, liant universel, sciure).

Assurer une aération suffisante.

Utiliser du matériel antidéflagrant

Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.

Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.

Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

RUBRIQUE 7: Manipulation et stockage**7.1 Précautions à prendre pour une manipulation sans danger**

Veiller à une bonne ventilation/aspiration du poste de travail.

Porter les équipements de protection requis avant toute manipulation (voir chapitre 8).

Si possible, utiliser un système de transfert clos.

· Préventions des incendies et des explosions:

Tenir à l'abri des sources d'inflammation - ne pas fumer.

Utiliser des appareils et armatures antidéflagrantes ainsi que des outils ne produisant pas d'étincelle.

Des vapeurs peuvent former avec l'air un mélange explosif.

Les équipements appropriés pour faire face aux incendies, les déversements et les fuites doivent être facilement accessibles.

Mise à la terre des équipements

7.2 Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités**· Stockage:**

Prévoir des sols étanches et résistant aux solvants.

Ne conserver que dans le fût d'origine.

N'utiliser que des emballages spécialement agréés pour la matière/le produit.

Les réservoirs de stockage doivent avoir une liaison équipotentielle électrique et une mise à la terre.

Ne pas stocker avec les aliments.

· Indications concernant le stockage commun:

Stocker au frais et au sec dans des fûts bien fermés.

· Autres indications sur les conditions de stockage:

Protéger de la forte chaleur et du rayonnement direct du soleil.

Pas d'autres informations importantes disponibles.

7.3 Utilisation(s) finale(s) particulière(s)**RUBRIQUE 8: Contrôles de l'exposition/protection individuelle****· Indications complémentaires pour l'agencement des installations techniques:**

Sans autre indication, voir point 7.

8.1 Paramètres de contrôle**· Composants présentant des valeurs-seuil à surveiller par poste de travail:**

Les autres substances ne présentent pas de valeurs limites d'exposition professionnelle.

ACETONE

VME (France)	Valeur momentanée: 2420 mg/m ³ , 1000 ppm Valeur à long terme: 1210 mg/m ³ , 500 ppm
PEL (U.S.A.)	2400 mg/m ³ , 1000 ppm
REL (U.S.A.)	590 mg/m ³ , 250 ppm
TLV (U.S.A.)	Valeur momentanée: 1782 mg/m ³ , 750 ppm Valeur à long terme: 1188 mg/m ³ , 500 ppm BEI
AGW (Allemagne)	1200 mg/m ³ , 500 ppm 2(l);DFG

(suite page 4)

FR

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 08.01.2016

Numéro de version 25

Révision: 08.01.2016

Nom du produit: ACETONE

(suite de la page 3)

· DNEL

DNEL	(-)
	Utilisation Finale: Travailleurs Voies d'exposition: Inhalation Effets potentiels sur la santé: Effets aigus, Effets locaux Durée exposition: 1h Valeur: 2420 mg/m3 - 1000ppm
	Utilisation finale: Travailleurs Voies d'exposition: Contact avec la peau Effets potentiels sur la santé: Effets chroniques Durée d'exposition: 8h Valeur: 186 mg/kg
	Utilisation finale: Travailleurs Voies d'exposition: Inhalation Effets potentiels sur la santé: Effets chroniques Valeur 1210 mg/m3 - 500ppm
	Utilisation finale: Consommateurs Voies d'exposition: Contact avec la peau Effets potentiels sur la santé: Effets chroniques Durée exposition: 24h Valeur: 62 mg/kg
	Utilisation finale: Consommateurs Voies d'exposition: Inhalation Effets potentiels sur la santé: Effets chroniques Durée exposition: 24h Valeur: 200 mg/m3
	Utilisation finale: Consommateurs Voies d'exposition: Ingestion Effets potentiels sur la santé: Effets chroniques Valeur: 62 mg/kg

· PNEC

PNEC	(-)
	Eau douce: 10.6mg/l
	Eau de mer: 1.06 mg/l
	Sédiment d'eau douce: 30.4 mg/kg
	Sédiment marin: 3.04 mg/kg
	Sol: 29.5 mg/kg

· Remarques supplémentaires:

Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.

· 8.2 Contrôles de l'exposition

· Equipement de protection individuel:

· Mesures générales de protection et d'hygiène: Respecter les mesures de sécurité usuelles pour l'utilisation de produits chimiques.
Tenir à l'écart des produits alimentaires, des boissons et de la nourriture pour animaux.
Retirer immédiatement les vêtements souillés ou humectés.
Se laver les mains avant les pauses et en fin de travail.
Ne pas inhaller les gaz, les vapeurs et les aérosols.
Eviter tout contact avec les yeux et avec la peau.
Favoriser la mise en place de mesures de protection collectives par rapport aux mesures de protection individuelle.

· Protection respiratoire:

Utiliser un appareil de protection respiratoire si la ventilation est insuffisante.
En cas de risque d'exposition au delà des valeurs moyennes d'exposition, port obligatoire d'un équipement individuel de protection respiratoire.
Utiliser des appareils conformes à une norme approuvée.

· Filtre recommandé pour une utilisation momentanée:

Attention! Les filtres ont une durée d'utilisation limitée.

· Protection des mains:



Gants de protection

Norme EN 374

Choix du matériau des gants en fonction des temps de pénétration, du taux de perméabilité et de la dégradation. Il convient de tenir compte du fait que la résistance d'un gant est influencée par des facteurs tels que la température d'utilisation du produit, sa concentration, l'épaisseur du gant, le temps d'immersion. Préserver du risque chimique demande de connaître également l'ensemble des autres paramètres propres au poste de travail (risque mécanique, thermique, dextérité requise, manipulation de pièces abrasives...).
Se référer aux informations sur les résistances chimiques du fabricant de chaque gant et mener un essai préalable pour déterminer si le gant est adapté aux conditions d'utilisations réelles.

· Matériau des gants

Butylcaoutchouc
Le choix de gants appropriés ne dépend pas seulement du matériau, mais également d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre.

Épaisseur du matériau recommandée: $\geq 0,5$

Le temps de pénétration exact est à déterminer par le fabricant des gants de protection et à respecter. Il faut noter que la durabilité des gants de protection chimique peut être notablement plus courte que le temps de pénétration mesuré par la norme EN374 en raison des nombreux effets extérieurs spécifiques à un poste de travail.

Valeur pour la perméabilité: taux $\geq 240\text{min}$

(suite page 5) FR

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 08.01.2016

Numéro de version 25

Révision: 08.01.2016

Nom du produit: ACETONE

- Protection des yeux:



Lunettes de protection hermétiques

- Protection du corps:

Vêtements de travail protecteurs

(suite de la page 4)

RUBRIQUE 9: Propriétés physiques et chimiques**· 9.1 Informations sur les propriétés physiques et chimiques essentielles**

- Indications générales.

- Aspect:

Forme:	Liquide
Couleur:	Incolore
· Odeur:	Caractéristique
· Seuil olfactif:	Information non disponible

· valeur du pH:	Non applicable.
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- Changement d'état

Point de fusion:	94,7 °C
Point d'ébullition:	55,8-56,6 °C

· Point d'éclair:	-17 °C
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· Température d'auto-inflammation:	465 °C
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· Température de décomposition:	Non déterminé.
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· Auto-inflammation:	Non déterminé.
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· Danger d'explosion:	Le produit n'est pas explosif; toutefois, des mélanges explosifs vapeur-air peuvent se former.
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· Limites d'explosion:	2,5 Vol %
Inférieure:	13 Vol %

· Pression de vapeur à 20 °C:	240 hPa
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· Densité à 20 °C:	0,79 g/cm³
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· Solubilité dans/miscibilité avec l'eau:	Soluble
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· Coefficient de partage (n-octanol/eau) à 20 °C:	-0,24 log POW
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· Viscosité:	0,32 mPas
Dynamique à 20 °C:	Non déterminé.

· 9.2 Autres informations	Pas d'autres informations importantes disponibles.
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RUBRIQUE 10: Stabilité et réactivité**· 10.1 Réactivité**

Pas d'autres informations importantes disponibles.

· 10.2 Stabilité chimique

Pas de décomposition en cas d'usage conforme.

- Décomposition thermique/conditions à éviter:

Aucune réaction dangereuse connue.

· 10.3 Possibilité de réactions dangereuses

Pas d'autres informations importantes disponibles.

· 10.4 Conditions à éviter

Les bases fortes

· 10.5 Matières incompatibles:Peroxydes (H₂O₂,Na₂O₂,K₂O)Acides oxydants et sels (HNO₃,MnO₄K...)Oxydes métalliques(CrO₃,HgO)**· 10.6 Produits de décomposition dangereux:**

Monoxyde de carbone

La combustion génère des oxydes de carbone

RUBRIQUE 11: Informations toxicologiques**· 11.1 Informations sur les effets toxicologiques****· Toxicité aiguë:**

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

- Valeurs LD/LC50 déterminantes pour la classification:

Oral	LD50	5800 mg/kg (rat)
Dermique	LD50	20000 mg/kg (rbt)
	NOEC 48h	3400 MG/LITRE (5)

- Par voie orale:

Les données disponibles indiquent que les critères de classification ne sont pas remplis

- Par voie cutanée:

Les données disponibles indiquent que les critères de classification ne sont pas remplis

- Par inhalation:

Les données disponibles indiquent que les critères de classification ne sont pas remplis

· Effet primaire d'irritation:

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

- Corrosion cutanée/irritation cutanée

Provoque une sévère irritation des yeux.

- Lésions oculaires graves/irritation oculaire

(suite page 6)

FR

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 08.01.2016

Numéro de version 25

Révision: 08.01.2016

Nom du produit: ACETONE

(suite de la page 5)

· Sensibilisation:	Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Effets CMR (cancérogène, mutagène et toxique pour la reproduction):	Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Mutagénicité sur les cellules germinales	Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Cancérogénicité	Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Toxicité pour la reproduction	Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Toxicité spécifique pour certains organes cibles - exposition unique	Peut provoquer somnolence ou vertiges.
· Toxicité spécifique pour certains organes cibles - exposition répétée	Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Danger par aspiration	Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

RUBRIQUE 12: Informations écologiques**12.1 Toxicité**

· Toxicité aquatique:

CE50 (écologique)	>100 mg/l, 96h mg/l (ALGUES) (<i>Pseudokirchneriella subcapitata</i> , Essai en statique) (valeur de la littérature)
	>100 mg/l, 48h mg/l (DAPHNIES) (<i>Daphnia magna</i> , Essai en statique) (valeur de la littérature)
LC50 (écologique)	>100 mg/l, 96h mg/l (POISSONS) (<i>Salmo gairdneri</i> , essai en statique) (valeur de la littérature)

12.2 Persistance et dégradabilité**12.3 Potentiel de bioaccumulation****12.4 Mobilité dans le sol**

· Autres indications écologiques:

· Valeur DCO:

· Valeur DBO5:

· Indications générales:

12.5 Résultats des évaluations PBT et VPvB

· PBT:

· vPvB:

12.6 Autres effets néfastes

Facilement biodégradable.

Pas d'autres informations importantes disponibles.

Le produit s'évapore rapidement s'il est déversé sur le sol

Pas d'autres informations importantes disponibles.

Information non disponible

Information non disponible

Ne pas laisser pénétrer dans la nappe phréatique, les eaux ou les canalisations.

Le produit ne possède pas de propriétés PBT telles que définies à l'annexe XIII du règlement (CE) n°1907/2006.

Le produit ne possède pas de propriétés vPvB telles que définies à l'annexe XIII du règlement (CE) n°1907/2006.

Pas d'autres informations importantes disponibles.

RUBRIQUE 13: Considérations relatives à l'élimination**13.1 Méthodes de traitement des déchets**

· Recommandation:

Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts. Pour la manipulation des déchets, prendre les précautions définies aux chapitres 7 et 8. Réutilisation ou recyclage lorsque c'est possible, sinon incinération selon les méthodes recommandées d'élimination.

· Emballages non nettoyés:

· Recommandation:

Les emballages ne pouvant pas être nettoyés doivent être évacués de la même manière que le produit. Ne pas découper, perforer ou souder sur ou à proximité des emballages vides. Les emballages vides peuvent contenir des résidus dangereux. Ne pas retirer l'étiquette de l'emballage tant qu'il n'est pas nettoyé. Ne pas traiter l'emballage vide comme un déchets ménager. Ne pas incinérer un emballage fermé.

Eau, éventuellement avec des produits de nettoyage

RUBRIQUE 14: Informations relatives au transport**14.1 Numéro ONU**

· ADR, IMDG, IATA

UN1090

14.2 Désignation officielle de transport de l'ONU

· ADR

1090 ACÉTONE

· IMDG

ACETONE

· IATA

Acetone

14.3 Classe(s) de danger pour le transport

· ADR



· Classe

3 (F1) Liquides inflammables.

(suite page 7)

FR

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 08.01.2016

Numéro de version 25

Révision: 08.01.2016

Nom du produit: ACETONE

(suite de la page 6)

· Étiquette	3
· IMDG, IATA	
	
· Class	3 Liquides inflammables.
· Label	3
· 14.4 Groupe d'emballage	
· ADR, IMDG, IATA	II
· 14.5 Dangers pour l'environnement:	Non applicable.
· 14.6 Précautions particulières à prendre par l'utilisateur	Attention: Liquides inflammables.
· Indice Kemler:	33
· No EMS:	F-E,S-D
· 14.7 Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC	Non applicable.
· Indications complémentaires de transport:	
· ADR	
· Quantités limitées (LQ)	1L
· Quantités exceptées (EQ)	Code: E2 Quantité maximale nette par emballage intérieur: 30 ml Quantité maximale nette par emballage extérieur: 500 ml
· Catégorie de transport	2
· Code de restriction en tunnels	D/E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· "Règlement type" de l'ONU:	UN 1090 ACÉTONE, 3, II

RUBRIQUE 15: Informations relatives à la réglementation**15.1 Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement**

- TSCA (Toxic Substances Control Act): la substance est comprise
- Philippines Inventory of Chemicals and Chemical Substances la substance est comprise
- Chinese Chemical Inventory of Existing Chemical Substances la substance est comprise
- Australian Inventory of Chemical Substances la substance est comprise
- Canadian Domestic Substances List (DSL) la substance est comprise

· Korean Existing Chemical Inventory

ACETONE

KE-29367

· Etiquetage selon le règlement (CE) n° 1272/2008

voir chapitre 2

· Indications sur les restrictions de travail:

Respecter les réglementations nationales applicables (ICPE, Code du travail, Maladies professionnelles...)

· Substances extrêmement préoccupantes (SVHC) selon REACH, article 57

Néant

· 15.2 Évaluation de la sécurité chimique:

Une évaluation de la sécurité chimique a été réalisée.

RUBRIQUE 16: Autres informations

Ces informations ne dispensent pas l'utilisateur de contrôler le produit et n'engagent en aucun cas notre responsabilité quant à l'utilisation pour laquelle il le destine.

Ces indications sont fondées sur l'état actuel de nos connaissances, mais ne constituent pas une garantie quant aux propriétés du produit et ne donnent pas lieu à un rapport juridique contractuel.

Pour la France, en cas d'intoxication,appelez le Centre Antipoison(de préférence de votre région)ou le SAMU (15)

Angers: 02 41 48 21 21 - Bordeaux: 05 56 96 40 80

Lille: 0 825 812 822 - Lyon: 04 72 11 69 11

Marseille: 04 91 75 25 25 - Nancy: 03 83 32 36 36

Paris: 01 40 05 48 48 - Rennes: 02 99 59 22 22

Strasbourg: 03 88 37 37 37 - Toulouse: 05 61 77 74 47

· Domaines d'application selon la directive 98/8/CE - Règlement CE 528/2012.

Non concerné

· Acronymes et abréviations:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer

ICAO: International Civil Aviation Organisation

(suite page 8)

FR

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 08.01.2016

Numéro de version 25

Révision: 08.01.2016

Nom du produit: ACETONE

(suite de la page 7)

ADR: Accord européen sur le transport des marchandises dangereuses par Route

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

* Données modifiées par rapport à la version
précédente

FR
(suite page 9)

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

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(suite de la page 8)

Annexe: Scénario d'exposition

· **Désignation brève du scénario d'exposition** Voir annexe 1.

FR

Aceton

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Acetone - Industrial

2010-08-23

Identified Industrial Generic Exposure Scenarios (GESs) of Acetone

GES No.	Subsector	Main SU	Description	PROC	ERC	Acetone
						200-662-2
						67-64-1
1	Manufacture, Processing and Distribution of substances and mixtures	All Industrial Uses (SU3)	Manufacture, Processing (see examples below1), Formulation and Distribution of the substance or mixtures. Includes recycling/ recovery, material transfers, storage, maintenance and loading (including marine vessel/barge, road/rail car and bulk container), sampling and associated laboratory activities	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC14, PROC15	ERC1, ERC2, ERC4, ERC6a ERCs are to be checked with the ECT tool	x
2	Use in laboratories	All Industrial Uses (SU3)	Use of the substance within laboratory settings, including material transfers and equipment cleaning	PROC10, PROC15	ERC4 ERCs are to be checked with the ECT tool	x + PROC19
3	Uses in Coatings	All Industrial Uses (SU3)	Covers the use in coatings (paints, inks, adhesives, and production of textiles, etc) including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, spreader, dip, flow, fluidised bed on production lines and film formation) and equipment cleaning, maintenance and associated laboratory activities.	PROC5, PROC8a, PROC10, PROC13	ERC4 ERCs are to be checked with the ECT tool	x + PROC1, PROC2, PROC3, PROC4, PROC7, PROC8b, PROC9, PROC15, PROC19
4	Use as binders and release agents	All Industrial Uses (SU3)	Covers the use as binders and release agents including material transfers, mixing, application (including spraying and brushing), mould forming and casting, and handling of waste.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13	ERC5 ERCs are to be checked with the ECT tool	x
5	Rubber production and processing	All Industrial Uses (SU3)	Manufacture of tyres and general rubber articles, including processing of raw (uncured) rubber, handling and mixing of rubber additives, vulcanising, cooling and finishing.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14	ERC6d ERCs are to be checked with the ECT tool	x

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Acetone - Industrial

2010-08-23

GES No. EC No. CAS No.	Subsector	Main SU	Description	PROC	ERC	Acetone
						200-662-2
						67-64-1
6	Polymer manufacturing	All Industrial Uses (SU3)	Manufacturing of formulated polymers including material transfers, additives handling (e.g. pigments, stabilisers, fillers, plasticisers, etc.), moulding, curing and forming activities, material re-works, storage and associated maintenance.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15	ERC6d ERCs are to be checked with the ECT tool	x
7	Polymer processing	All Industrial Uses (SU3)	Processing of formulated polymers including material transfers, additives handling (e.g. pigments, stabilisers, fillers, plasticisers, etc.), moulding, curing and forming activities, material re-works, storage and associated maintenance.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15	ERC6d ERCs are to be checked with the ECT tool	x
9	Use in Cleaning Agents	All Industrial Uses (SU3)	Covers the use as a component of cleaning products including transfer from storage, pouring/unloading from drums or containers. Exposures during mixing/diluting in the preparatory phase and cleaning activities (including spraying, brushing, dipping, wiping, automated and by hand), related equipment cleaning and maintenance.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC19	ERC4 ERCs are to be checked with the ECT tool	x
10	Use in Oil field drilling and production operations	All Industrial Uses (SU3)	Covers the use as a component of cleaning products including transfer from storage, pouring/unloading from drums or containers.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b	ERC 4 ERCs are to be checked with the ECT tool	x
11	Blowing agents	All Industrial Uses (SU3)	Use as a blowing agent for rigid and flexible foams, including material transfers, mixing and injection, curing, cutting, storage and packing	PROC1, PROC2, PROC3, PROC8b, PROC9, PROC12	ERC4, (ERC10a) ERCs are to be checked with the ECT tool	x
12	Mining chemicals	All Industrial Uses (SU3)	Covers the use of the substance in extraction processes at mining operations, including material transfers, winning and separation activities, and substance recovery and disposal.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8b, PROC9	ERC8d ERCs are to be checked with the ECT tool	x

¹ Examples for processing:
use as intermediate,
use as monomer etc.
use as solvent,
use for the manufacturing of resins

² Polymer Examples: FRP, UV, VE

Please note also: PC's and AC's are only for consumer.
For checking ERC's please use the respective environmental calculation tool (ECT) ECT Acetone or ECT Phenol or ECT Cumene or ECT AMS or ECT ACP

Aceton

Version 8.0

Date de révision 07.12.2010

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[Acetone - Industrial](#)

2010-08-23

Identified Industrial PROCs

PROC No.	Acetone
EC No.	200-662-2
CAS No.	67-64-1
PROC1	x
PROC2	x
PROC3	x
PROC4	x
PROC5	x
PROC6	x
PROC7	x
PROC8a	x
PROC8b	x
PROC9	x
PROC10 (2 uses)	x
PROC12	x
PROC13	x
PROC14	x
PROC15	x
PROC19	x
Sum	16

Aceton

Version 8.0

Date de révision 07.12.2010

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Generic Exposure Scenario:	
Substance specific information	Reference Values
Substance	DNEL worker - inhalation (long term)
CASnr	67-64-1
Substance volatility:	DNEL worker - inhalation (short term)
TRA volatility range	DNEL worker - dermal (long term)
physical property	186 mg/kg/day
Section 1	Exposure Scenario Title
Exposure Scenario	Main sector of Use: SU3 = All Industrial Uses
Processes, tasks, activities covered	All Industrial Processes relevant for Acetone and Acetone containing products.
Life Cycle Stage / Sector of Use	SU3 = All Industrial Uses
Applicable Use Descriptors (PROC or PC)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC12, PROC13, PROC14, PROC15, PROC19
Applicable Use Descriptors (PROC or PC)	ERCs and local conditions are to be checked with the Excel tool ECT Acetone
Default Operational Conditions	
Product characteristics	R phrases: 11-Highly flammable, 36-Irritating to eyes, 66-Repeated exposure may cause skin dryness or cracking, 67-Vapours may cause drowsiness and dizziness
Acute Hazard	Locate bulk storage outdoors [E2]
	Use suitable eye protection [PPE26]
	If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes [PPE20]
	Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. [E1]
concentration of substance in product	Covers percentage substance in the product up to 100 % (unless stated differently) [G13].
physical form of product	Liquid, vapour pressure > 10 kPa [OC5].
frequency and duration of use	Covers daily exposures up to 8 hours (unless stated differently) [G2].
other Operational Conditions of use	Assumes a good basic standard of occupational hygiene is implemented [G1].

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

2010-08-23

Industrial Processes relevant for Acetone and Acetone containing products

Section 2		Operational conditions and risk management measures	
Section 2.1		Control of environmental exposure	
Product characteristics	substance is a unique structure, ketone, readily biodegradable		
Amounts used	Annual site tonnage (tonnes/year): please use the Excel-Tool 'ECT Acetone' to calculate your maximum tonnage/year		
Frequency and duration of use	Emission Days (days/year): 360/day		
Other Operational Conditions of use affecting environmental exposure	Indoor/Outdoor use		
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	Common practices vary across sites thus conservative process release estimates used. Typical technical measures are closed systems or scrubbers or charcoal adsorbers. Typical onsite offgas treatment technology provides removal efficiency of 90 %		
Organisation measures to prevent/limit release from site	Common practices vary across sites thus conservative process release estimates used. Please use the Excel-Tool 'ECT Acetone' to check your local conditions.		
Conditions and measures related to municipal sewage treatment plant	Please use the Excel-Tool 'ECT Acetone' to check your local conditions.		
Conditions and measures related to external treatment of waste for disposal	External treatment and disposal of waste should comply with applicable regulations		
Conditions and measures related to external recovery of waste	External treatment and disposal of waste should comply with applicable regulations		
Other environmental control measures additional to above	none		
Section 2.2		Control of worker exposure	
see chapter RMMS			
Section 3		Exposure Estimation	
3.1. Health		GES Worker Chemical Safety Assessment (CSA) Template	
http://cesic.org/templates/shwPublications.aspx?hID=750			
3.2. Environment		http://www.raachcentum.eu/EN/consortium-management/consortia-under-reach/phenol-derivatives-reach-consortium.aspx	
Section 4		Guidance to check compliance with the Exposure Scenario	
4.1. Health		Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures.	
4.2. Environment		Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures.	

5/36

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Generic Exposure Scenario:		Industrial Processes relevant for Acetone and Acetone containing products			Risk Management/Measures (RMMs)
No	User Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs	
1	PROC 1 - Use in closed process, no likehood of exposure	Industrial - SU3	General exposures (dosed systems) [CS15].	advised under REACh Sample via a closed loop or other system to avoid exposure [E8]. Handle substance within a closed system [E47].	
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Industrial - SU3	General exposures (dosed systems) [CS15].	Continuous process [CS54]. Process sampling [CS2].	Sample via a closed loop or other system to avoid exposure [E8]. Handle substance within a closed system [E47].
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Industrial - SU3	General exposures (dosed systems) [CS15].	Batch process [CS55]. Process sampling [CS2].	Sample via a closed loop or other system to avoid exposure [E8]. Handle substance within a closed system [E47].
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	Industrial - SU3	Process sampling [CS2]. (open systems) [CS108]		
5	PROC 5 - Mixing or blending in batch processes (multiple and/or significant contact)	Industrial - SU3	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].	
6	PROC 6 - Calendering operations	Industrial - SU3	Calendering (including Banbury's) [CS64]		
7	PROC 7 - Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].	with local exhaust ventilation [CS109].	Ensure material transfers are under containment or extract ventilation [E66].
8	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].		Ensure operation is undertaken outdoors [E69].
9	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].		Wear a respirator conforming to EN140 with Type A filter or better. [PPE22]
10	PROC 8a - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Non-dedicated facility [CS8]. Transfer from/pouring from containers [CS22].	
11	PROC 8b - Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Dedicated facility [CS81]. Transfer from/pouring from containers [CS22].	

Aceton

Version 8.0

Date de révision 07.12.2010

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CSR-Worker-Acetone-ind \ RMMs

2010-08-23

Industrial Processes relevant for Acetone and Acetone containing products

Generic Exposure Scenario:		Industrial Processes relevant for Acetone and Acetone containing products			Risk Management/Measures (RMMs)
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs	
12	PROC 9 - Transfer of chemicals into small containers (dedicated filling line)	Industrial - SU3	Small package filling [CS7].	Dedicated facility [CS8]. Pouring from small containers [CS9].	advised under REACH
13	PROC 10 - Roller application or brushing	Industrial - SU3	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].	
14	PROC 10 - Roller application or brushing	Industrial - SU3	Equipment cleaning and maintenance [CS39].		
15	PROC 12 - Use of blow agents for foam production	Industrial - SU3	Foaming [CS132].	Production of foam-based objects [CS125].	
16	PROC 13 - Treatment of articles by dipping and pouring	Industrial - SU3	Dipping, Immersion and pouring [CS4].		
17	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Industrial - SU3	Production or preparation of articles by tabletting, compression, extrusion or pelletisation [CS100].		
18	PROC 15 - Use of laboratory reagents in small scale laboratories	Industrial - SU3	Laboratory activities [CS39].		
19	PROC 19 - Hand-mixing with intimate contact (only PPE available)	Industrial - SU3	Hand application - fingerpaints, pastels, adhesives [CS72].	Wear suitable gloves tested to EN374 [PPE15].	

7/36

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

2010-08-23

Industrial Processes relevant for Acetone and Acetone containing products

Generic Exposure Scenario:			Industrial Processes relevant for Acetone and Acetone containing products									
No	Use Descriptor (PROCs)	SU3 / SU22 Contributing Scenario	Inhalation Exposure							Exposure route (inhalation or dermal)	Exposure limit (mg/m ³)	
			Operational Conditions & typical RMMs	Exposure route (inhalation or dermal)	Exposure limit (mg/m ³)							
1	PROC 1 - Use in closed systems, no likelihood of exposure	Industrial - SU3	General exposures (closed systems) [CS15]; Process sampling [CS2];	Exposure route (inhalation or dermal) no modifier	0.01							
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Industrial - SU3	General exposures (closed systems) [CS15];	Continuous process [CS54]; Process sampling [CS2];		50.00					50	
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Industrial - SU3	General exposures (closed systems) [CS15];	Batch process [CS55]; Process sampling [CS2];		100.00					100	
4	PROC 4 - Use in batch and/or other process (synthesis) where opportunity for exposure arises	Industrial - SU3	Process sampling [CS2]; (open systems) [CS18]		100.00						100	
5	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Industrial - SU3	Mixing operations (open systems) [CS30];	Batch process [CS55]; Process sampling [CS2];		250.00					250	
6	PROC 6 - Calendering operations	Industrial - SU3	Calendering (including Banbury) [CS64]			250.00					250	
7	PROC 7 - Industrial spraying	Industrial - SU3	Industrial - Spraying/fogging by machine application [CS25]; with local exhaust ventilation [CS109]		50.00	50.00					50	
8	PROC 7 - Industrial spraying	Industrial - SU3	Industrial - Spraying/fogging by machine application [CS25]		500.00	50.00					300	
9	PROC 7 - Industrial spraying	Industrial - SU3	Industrial - Spraying/fogging by machine application [CS25]		500.00	50.00					50	
10	PROC 8 a - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Industrial - SU3	Industrial - Bulk transfers [CS14];	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS2];		250.00					250	
11	PROC 8 b - Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Industrial - SU3	Industrial - Bulk transfers [CS14]	Dedicated facility [CS81]; Transfer from/pouring from containers [CS2];		150.00					150	
12	PROC 9 - Transfer of chemicals into small containers (dedicated filling line)	Industrial - SU3	Industrial - Small package filling [CS71]	Dedicated facility [CS81]; Pouring from small containers [CS9];		200.00					200	
13	PROC 10 - Rotor aspiration or brushing	Industrial - SU3	Industrial - Rolling, Brushing [CS39];	On- Equipment cleaning and maintenance [CS39]		250.00					250	

8/36

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

2010-08-23

Industrial Processes relevant for Acetone and Acetone containing products

CSB-Worker-Acetone-ind \ Inhalation Exposure

Industrial Processes relevant for Acetone and Acetone containing products									
Inhalation Exposure									
No	Use Descriptor (PROCs)	SU3 / SU22	Contributing Scenario	Operational Conditions & typical RMMs	IRAS/IRG / exposure - gen1 - no solvents	IRAS/IRG / exposure - gen1 - no solvents	IRAS/IRG / exposure - gen1 - no solvents	IRAS/IRG / exposure - gen1 - no solvents	IRAS/IRG / exposure - gen1 - no solvents
14	PROC 10 - Ruler, sashimi, or brushing	SU3	Industrial - Equipment cleaning and maintenance [CS39]		250.00				250
15	PROC 12 - Use of blow agents for foam production	SU3	Industrial - Foaming [CS132]	[Production of foam-based objects [CS135]]	100.00				100
16	PROC 13 - Treatment of articles by dipping and pouring	SU3	Industrial - Dipping, immersion and pouring [CS4]		250.00				250
17	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	SU3	Industrial - articles by tabletting, compression, extrusion, pelletisation [CS100]		50.00				50
18	PROC 15 - Use of laboratory reagents in small scale laboratories	SU3	Industrial - Laboratory activities [CS35]		50.00				50
19	PROC 19 - Hand mixing with intimate contact (only PPE available)	SU3	Industrial - Hard application - fingerpaints, pastels, acrylics [CS77]		250.00				250

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Generic Exposure Scenario: Industrial Processes relevant for Acetone and Acetone containing products				Dermal Exposure			
No	Use Descriptor (PROC)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMS	TRIA Predicted Dermal exposure (mg/m³) - no machine	TRIA concentration factor	PP/E Status/ exposure modifier (operator)
1	PROC 1 - Use in closed process, no likelihood of exposure	Industrial - SU3	General exposures (closed systems) [CS15];	General exposures (closed systems) [CS107]; Process sampling [CS2];	0.34		File last - comment to clarify additional modifier (operator)
2	PROC 2 - Use in closed, continuous process with occasional control	Industrial - SU3	General exposures (closed systems) [CS15];	Continuous process [CS54]; Process sampling [CS2];			Predicted Dermal exposure (mg/m³) - modified 0.34
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Industrial - SU3	General exposures (closed systems) [CS15];	Batch process [CS55]; Process sampling [CS2];	1.37		
4	PROC 4 - Use in batch (synthesis) and other processes (synthesis) where opportunity for exposure	Industrial - SU3	General exposures (closed systems) [CS108]; Process sampling [CS2];	Batch process [CS55]; Process sampling [CS2];	0.34		
5	PROC 5 - Mixing or blending in batch processes (multi-stage and/or significant contact)	Industrial - SU3	Mixing operations (open systems) [CS30];	Batch process [CS55]; Process sampling [CS2];	13.71		
6	PROC 6 - Calendering operations	Industrial - SU3	Calendering (including Banbury's) [CS54];		27.43		
7	PROC 7 - Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25];	with local exhaust ventilation [CS109]	42.86	0.05	2.14
8	PROC 7 - Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25];		42.86		42.86
9	PROC 7 - Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25];		42.86		42.86
10	PROC 8a - Transfer of chemicals from/to vessel/s/large containers at non dedicated facilities.	Industrial - SU3	Bulk transfers [CS14];	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22];	13.71		
11	PROC 8b - Transfer of chemicals from/to vessel/s/large containers at dedicated facilities	Industrial - SU3	Bulk transfers [CS14];	Transfer from/pouring from containers [CS22];	6.86		
12	PROC 9 - Transfer of chemicals into small containers (dedicated filling line)	Industrial - SU3	Small package filling [CS7]; Filling from small containers [CS9];	Dedicated facility [CS82];	6.86		

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

2010-08-23

Industrial Processes relevant for Acetone and Acetone containing products

Generic Exposure Scenario: Industrial Processes relevant for Acetone and Acetone containing products

Industrial Processes relevant for Acetone and Acetone containing products									
Dermal Exposure									
No	User Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical POMs	TWA (predicted) or TWA (calculated) no measures	TWA (calculated) EV reduction factor	PE Factor	Actual EV reduction factor (optimum)	PE and - comment to identify additional model (dilution)
13	PROC 10 - Roller application or brushing	Industrial - SU3	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].	27.43				27.43
14	PROC 10 - Roller application or brushing	Industrial - SU3	Industrial - Equipment cleaning and maintenance [CS39].		27.43				27.43
15	PROC 12 - Use of blow agents for foam production	Industrial - SU3	Foaming [CS132].	Production of foam-based objects [CS125].	0.34				0.34
16	PROC 13 - Treatment of articles by dipping and pouring	Industrial - SU3	Industrial - Dipping, immersion and pouring [CS4].		13.71				13.71
17	PROC 14 - Production of tabletting, compression, extrusion, pelletisation	Industrial - SU3	Production or preparation of articles by labelling, compression, extrusion or pelletisation [CS100].		0.34				0.34
18	PROC 15 - Use of laboratory reagents in small scale laboratories	Industrial - SU3	Laboratory activities [CS35].		0.34				0.34
19	PROC 19 - Hand-mixing with intimate contact (only PPE available)	Industrial - SU3	Hand application - fingerpainted, pastels, adhesives [CS72]		141.43				28.29

100

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Generic Exposure Scenario:				Industrial Processes relevant for Acetone and Acetone containing products				Risk Characterization		
No	Use Descriptor (IPROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & Typical RMMs			RCR (Inhalation)	RCR (dermal)	RCR (all routes)	
1	PROC 1 - Use in closed process, no likelihood of exposure	Industrial - SU3	General exposures (closed systems) [CS15].	General exposures (closed systems) [CS107]; Process sampling [CS2].			0.00002	0.0002	0.002	
2	PROC 2 - Use in closed, continuous process with occasional control/ exposure	Industrial - SU3	General exposures (closed systems) [CS15].	Continuous process [CS54].; Process sampling [CS2].			0.10	0.01	0.11	
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Industrial - SU3	General exposures (closed systems) [CS15].	Batch process [CS55].; Process sampling [CS2].			0.20	0.002	0.20	
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	Industrial - SU3	Process sampling [CS2].; (open systems) [CS108].				0.20	0.04	0.24	
5	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Industrial - SU3	Mixing operations (open systems) [CS30].	Batch process [CS55].; Process sampling [CS2].			0.50	0.07	0.57	
6	PROC 6 - Calendering operations	Industrial - SU3	Calendering (including Banbury) [CS64].				0.50	0.15	0.65	
7	PROC 7 - Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].	with local exhaust ventilation [CS109].			0.05	0.01	0.06	
8	PROC 7 - Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].				0.70	0.23	0.93	
9	PROC 7 - Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].				0.10	0.23	0.33	
10	PROC 8a - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Non-dedicated facility [CS62]; Transfer from/pouring from containers [CS22].			0.50	0.07	0.57	
11	PROC 8b - Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].			0.30	0.037	0.34	

12/36

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

2010-08-23

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Industrial Processes relevant for Acetone and Acetone containing products

Industrial Processes relevant for Acetone and Acetone containing- Products							Risk Characterization		
Contributing Scenario			Operational Conditions & typical RMMs						
No	Use Descriptor (PROCs)	SU 3 / SU 22	Industrial - SU3	Small package filling [CS7]. Pouring from small containers [CS8].	Dedicated facility [CS81]. Pouring from small containers [CS9].		RCR (inhalation)	RCR (derma)	RCR (all routes)
12	PROC 9 - Transfer of chemicals into small containers (dedicated filling line)						0.40	0.04	0.44
13	PROC 10 - Roller application or brushing	Industrial - SU3	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].			0.50	0.15	0.65
14	PROC 10 - Roller application or brushing	Industrial - SU3	Equipment cleaning and maintenance [CS39].				0.50	0.15	0.65
15	PROC 12 - Use of blow agents for foam production	Industrial - SU3	Foaming [CS132].	Production of foam-based objects [CS125].			0.20	0.00	0.20
16	PROC 13 - Treatment of antides by dipping and pouring	Industrial - SU3	Dipping, Immersion and pouring [CS4].				0.50	0.074	0.57
17	PROC 14 - Production of preparations or artides by tabletting, compression, extrusion, pelletisation	Industrial - SU3	Production or preparation of articles by tabletting, compression, extrusion or pelletisation [CS100].				0.10	0.00	0.10
18	PROC 15 - Use of laboratory reagents in small scale laboratories	Industrial - SU3	Laboratory activities [CS36].				0.10	0.00	0.10
19	PROC 19 - Hand-mixing with intimate contact (only PPE available)	Industrial - SU3	Hand application - fingerpains, pastels, adhesives [CS72].				0.50	0.15	0.65

Aceton

Version 8.0

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Acetone - Professional

2010-08-23

Identified Professional Generic Exposure Scenarios (GESs) of Acetone

GES No. EC No. CAS No.	Subsector	Main SU	Description	PROC	ERC	Acetone		
						200-662-2		
						67-64-1		
1	Use in laboratories	All Professional Uses (SU22)	Use of small quantities within laboratory settings, including material transfers and equipment cleaning	PROC10, PROC15	ERC8a ERCs are to be checked with the ECT tool	x + PROC19		
2	Uses in Coatings	All Professional Uses (SU22)	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, brush, spreader by hand or similar methods), and equipment cleaning, maintenance and associated laboratory activities.	PROC5, PROC8a, PROC10, PROC13	ERC8a, ERC8c, ERC8d, ERC8f ERCs are to be checked with the ECT tool	x + PROC1, PROC2, PROC3, PROC4, PROC8b, PROC9, PROC11, PROC15, PROC19		
3	Use as binders and release agents	All Professional Uses (SU22)	Covers the use as binders and release agents including material transfers, mixing, application by spraying, brushing, and handling of waste.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC 8a, PROC8b, PROC9, PROC10, PROC11	ERC8a, ERC8b, ERC8c, ERC8d, ERC8e, ERC8f ERCs are to be checked with the ECT tool	x		
4	Polymer manufacturing	All Professional Uses (SU22)	Manufacturing of formulated polymers including material transfers, moulding and forming activities, material re-works and associated maintenance.	PROC8a	ERC8a, ERC8d, ERC8c, ERC8f ERCs are to be checked with the ECT tool	x + PROC1 PROC2 PROC8b PROC9 PROC14		
5	Polymer processing	All Professional Uses (SU22)	Processing of formulated polymers including material transfers, moulding and forming activities, material re-works and associated maintenance.	PROC8a	ERC8a, ERC8d, ERC8c, ERC8f ERCs are to be checked with the ECT tool	x + PROC1 PROC2 PROC8b PROC9 PROC14		
7	Use in Cleaning Agents	All Professional Uses (SU22)	Covers the use as a component of cleaning products including pouring/unloading from drums or containers; and exposures during mixing/diluting in the preparatory phase and cleaning activities (including spraying, brushing, dipping, wiping automated and by hand).	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC19	ERC8a ERCs are to be checked with the ECT tool	x + ERC8d		

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Acetone - Professional

2010-08-23

GES No. EC No. CAS No.	Subsector	Main SU	Description	PROC	ERC	Acetone
						200-662-2
						67-64-1
8	Use in Oil field drilling and production operations	All Professional Uses (SU22)	Covers the use as a component of cleaning products including pouring/unloading from drums or containers	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b	ERC8d ERCs are to be checked with the ECT tool	x
9	Agrochemical uses	All Professional Uses (SU22)	Use as an agrochemical excipient for application by manual or machine spraying, smokes and fogging; including equipment clean-downs and disposal.	PROC1, PROC2, PROC4, PROC8a, PROC8b, PROC11, PROC13, PROC19	ERC8a, ERC8d ERCs are to be checked with the ECT tool	x
10	De-icing and anti-icing applications	All Professional Uses (SU22)	Ice prevention and de-icing of vehicles, aircraft and other equipment by spraying	PROC1, PROC2, PROC8b, PROC11, PROC19	ERC8d ERCs are to be checked with the ECT tool	x
11	Explosives manufacture & use	All Professional Uses (SU22)	Covers exposures arising from the manufacture and use of slurry explosives (including materials transfer, mixing and charging) and equipment cleaning	PROC1, PROC3, PROC5, PROC8a, PROC8b	ERC8d ERCs are to be checked with the ECT tool	x

² Polymer Examples:

FRP, UV, VE

Please note also: PC's and AC's are only for consumer.
For checking ERC's please use the respective environmental calculation tool (ECT) ECT Acetone or ECT Phenol or ECT Cumene or ECT AMS or ECT ACP

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Acetone - Professional

2010-08-23

Identified Professional PROCs

PROC No.	Acetone
EC No.	200-662-2
CAS No.	67-64-1
PROC1	x
PROC2	x
PROC3	x
PROC4	x
PROC5	x
PROC6	x
PROC8a	x
PROC8b	x
PROC9	x
PROC10 (2 uses)	x
PROC11	x
PROC13	x
PROC14	x
PROC15	x
PROC19	x
Sum	15

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

CSR-Worker-Acetone-prof \ Identification

2010-08-23

Main sector of Use: SU22 = All Professional Uses

Generic Exposure Scenario:

Substance specific information		Reference Values
Substance		DNEL worker - inhalation (long term) 500 ppm
CASnr	67-64-1	DNEL worker - inhalation (short term) 186 ppm
Substance volatility:	233 hPa	DNEL worker - dermal (long term) 186 mg/kg/day
TRA volatility range	high	
physical property	liquid	
Section 1	Exposure Scenario Title	
Exposure Scenario	Main sector of Use: SU22 = All Professional Uses	
Processes, tasks, activities covered	All Professional Processes relevant for Acetone and Acetone containing products.	
Life Cycle Stage / Sector of Use	SU22 = All Professional Uses	
Applicable Use Descriptors (PROC or PC)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC15, PROC19	
Applicable Use Descriptors (ERC or SpERC)	ERCs and local conditions are to be checked with the Excel tool ECT Acetone	
Default Operational Conditions		
Product characteristics		R phrases: 11-Highly flammable, 36-Irritating to eyes, 66-Repeated exposure may cause skin dryness or cracking, 67-Vapours may cause drowsiness and dizziness
Acute Hazard		Locate bulk storage outdoors [E2]
		Use suitable eye protection [PPE26]
		If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes [PPE20]
		Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. [E1]
General measures		Covers percentage substance in the product up to 100 % (unless stated differently) [G13].
concentration of substance in product		Liquid, vapour pressure > 10 kPa [OC5].
physical form of product		Covers daily exposures up to 8 hours (unless stated differently) [G2]
frequency and duration of use		Assumes a good basic standard of occupational hygiene is implemented [G1].
other Operational Conditions of use		

17/36

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Main sector of Use: SUJ22 = All Professional Uses

2010-08-23

Section 2		Operational conditions and risk management measures	
Section 2.1		Control of environmental exposure	
Product characteristics	substance is a unique structure, ketone, readily biodegradable		
Amounts used	Annual site tonnage (tonnes/year): please use the Excel-Tool 'ECT Acetone' to calculate your maximum tonnage/year		
Frequency and duration of use	Emission Days (days/year): 3600/day		
Other Operational Conditions of use affecting environmental exposure	Indoor/Outdoor use		
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	Common practices vary across sites thus conservative process release estimates used. Typical technical measures are closed systems or scrubbers or charcoal adsorbents. Typical onsite offgas treatment technology provides removal efficiency of 90 %		
Organisation measures to prevent/limit release from site	Common practices vary across sites thus conservative process release estimates used. Please use the Excel-Tool 'ECT Acetone' to check your local conditions.		
Conditions and measures related to municipal sewage treatment plant	Please use the Excel-Tool 'ECT Acetone' to check your local conditions.		
Conditions and measures related to external treatment of waste for disposal	External treatment and disposal of waste should comply with applicable regulations		
Conditions and measures related to external recovery of waste	External treatment and disposal of waste should comply with applicable regulations		
Other environmental control measures additional to above	none		
Section 2.2		Control of worker exposure	
see chapter RMMS			
Section 3		Exposure Estimation	
3.1. Health		GES Worker Chemical Safety Assessment (CSA) Template	
http://cefic.org/templates/shwPublications.aspx?hID=750			
3.2. Environment		http://www.raachcentum.eu/EN/consortium-management/consortia-under-reach/phenol-derivatives-reach-consortium.aspx	
Section 4		Guidance to check compliance with the Exposure Scenario	
4.1. Health		Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures.	
4.2. Environment		Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures.	

18/36

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Generic Exposure Scenario:		Professional Processes relevant for Acetone and Acetone containing products			Risk Management/Measures (RMMs)
No	User Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs	
1	PROC 1 - Use in closed process, no likehood of exposure	Professional - SU22	General exposures (closed systems) [CS15].	(closed systems) [CS107]. Process sampling [CS2].	advised under REACH Sample via a closed loop or other system to avoid exposure [E8]. Handle substance within a closed system [E47].
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Professional - SU22	General exposures (closed systems) [CS15].	Continuous process [CS54]. Process sampling [CS2].	Sample via a closed loop or other system to avoid exposure [E8]. Handle substance within a closed system [E47].
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Professional - SU22	General exposures (closed systems) [CS15].	Batch process [CS55]. Process sampling [CS2].	Sample via a closed loop or other system to avoid exposure [E8]. Handle substance within a closed system [E47].
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	Professional - SU22	Process sampling [CS2].		
5	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2]. with local exhaust ventilation [CS108].	Ensure material transfers are under containment or extract ventilation [E66].
6	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].	Ensure operation is undertaken outdoors [E69].
7	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].	Avoid carrying out activities involving exposure for more than 4 hours [E28].
8	PROC 6 - Calendering operations	Professional - SU22	Calendering (including Banbury) [CS64]. with local exhaust ventilation [CS109].	Calendering (including Banbury) [CS64]. with local exhaust ventilation [CS109].	Ensure operation is undertaken outdoors [E69].
9	PROC 6 - Calendering operations	Professional - SU22	Calendering (including Banbury) [CS64]	Calendering (including Banbury) [CS64]	Ensure operation is undertaken outdoors [E69].
10	PROC 6 - Calendering operations	Professional - SU22	Calendering (including Banbury) [CS64]	Calendering (including Banbury) [CS64]	Avoid carrying out activities involving exposure for more than 4 hours [E28].
11	PROC 8a - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]. Transfer from/pouring from containers [CS22]. with local exhaust ventilation [CS109].	Ensure material transfers are under containment or extract ventilation [E66].

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Generic Exposure Scenario:				Professional Processes relevant for Acetone and Acetone containing products		Risk Management Measures (RMMs)	
No	User Descriptor (PRDCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs			
12	PROC 8-a - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		advised under REACH Ensure operation is undertaken outdoors [E69].	
13	PROC 8-a - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		Avoid carrying out activities involving exposure for more than 4 hours [28].	
14	PROC 8-b - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].			
15	PROC 9 - Transfer of chemicals into small containers (dedicated filling line)	Professional - SU22	Small package filling [CS7].	Dedicated facility [CS81]; Pouring from small containers [CS9].			
16	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39]; with local exhaust ventilation [CS109].		Ensure material transfers are under containment or extract ventilation [E66].	
17	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		Limit the substance content in the product to 25% [OC18].	
18	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		Avoid carrying out activities involving exposure for more than 4 hours [28].	
19	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].	with local exhaust ventilation [CS109]		Ensure material transfers are under containment or extract ventilation [E66].	
20	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			Limit the substance content in the product to 25% [OC18]. Ensure operation is undertaken outdoors [E69]. Avoid carrying out activities involving exposure for more than 4 hours [28].	
21	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			Avoid carrying out activities involving exposure for more than 1 hour [27].	
22	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			Wear a respirator conforming to EN140 with Type A filter or better. [FPE22].	

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Generic Exposure Scenario:				Professional Processes relevant for Acetone and Acetone containing products	Risk Management Measures (RMMs)
No	User Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs	
23	PROC 13 - Treatment of articles by dipping and pouring	Professional - SU22	Dipping, immersion and pouring [C54].		advised under REACH
24	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation of articles by tabletting, compression, extrusion or pelletisation [C5109].	with local exhaust ventilation [C5109].	Ensure material transfers are under containment or extract ventilation [E66].
25	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation of articles by tabletting, compression, extrusion or pelletisation [C5100].	Production or preparation of articles by tabletting, compression, extrusion or pelletisation [C5100].	Avoid carrying out activities involving exposure for more than 4 hours [28].
26	PROC 15 - Use of laboratory reagents in small scale laboratories	Professional - SU22	Laboratory activities [C536].		
27	PROC 19 - Hand-mixing with intimate contact (only PPE available)	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [C572]		Limit the substance content in the product to 25% [OC-18]. Wear suitable gloves tested to EN374 [PPE15].
28	PROC 19 - Hand-mixing with intimate contact (only PPE available)	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [C572]		Avoid carrying out activities involving exposure for more than 1 hour [27].

21/36

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

2010-08-23

Professional Processes relevant for Acetone and Acetone containing products

Generic Exposure Scenario: Professional Processes relevant for Acetone and Acetone containing products				Inhalation Exposure							
No	User Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs			TWA (Predicted TWA/Exposure factor (%))			TWA (Predicted TWA/Exposure factor (%))	
1	PROC 1 - Use in closed continuous process with occasional control of exposure	Professional - SU22	General exposures (closed systems) [CS15]	closed sampling [CS21]; Process sampling [CS107]	no modifiers	0.01				Exposure reporting (including sampling)	Process - control to comply with exposure limit (0.01)
2	PROC 2 - Use in closed continuous process with occasional control of exposure	Professional - SU22	General exposures (closed systems) [CS15]	Continuous process [CS54]; Process sampling [CS21]			50.00				50
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Professional - SU22	General exposures (closed systems) [CS15]	Batch process [CS55]; Process sampling [CS21]			100.00				100
4	PROC 4 - Use in batch and other processes (synthesis), where opportunity for exposure arises	Professional - SU22	Process sampling [CS21]; (open systems) [CS108]				250.00				250
5	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30]	Batch process [CS55]; Process sampling [CS21]; with local exhaust ventilation [CS109]			500.00	50.00			100
6	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30]	Batch process [CS55]; Process sampling [CS21]			500.00				300
7	PROC 6 - Calendering operations	Professional - SU22	Calendering (including Barbury) [CS64]; with local exhaust ventilation [CS109]	Batch process [CS55]; Process sampling [CS21]			500.00	50.00			300
8	PROC 6 - Calendering operations	Professional - SU22	Calendering (including Barbury) [CS64]				600.00	80.00			400
9	PROC 6 - Calendering operations	Professional - SU22	Calendering (including Barbury) [CS64]				600.00	50.00			400
10	PROC 6 - Calendering operations	Professional - SU22	Calendering (including Barbury) [CS64]				600.00				300
11	PROC 8a - Transfer of chemicals from/to vessel(s) large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14]	Non-dedicated facility [CS82]; containers [CS21]; Transfer from/pouring from			500.00	50.00			100
12	PROC 8a - Transfer of chemicals from/to vessel(s) large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14]	Non-dedicated facility [CS82]; containers [CS21]; Transfer from/pouring from			500.00	50.00			300
13	PROC 8a - Transfer of chemicals from/to vessel(s) large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14]	Non-dedicated facility [CS82]; containers [CS21]; Transfer from/pouring from			500.00				300

22/36

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

2010-08-23

Professional Processes relevant for Acetone and Acetone containing products

Professional Processes relevant for Acetone and Acetone containing products									
Inhalation Exposure									
No	Use Descriptor (PROCs)	SU 2 / SU 22	Contributing Scenario	Operational Conditions & typical RMs	TRI, Unintended Exposures - generic - no model	TRI, Unintended Exposures - generic - no model	TRI, Unintended Exposures - generic - no model	TRI, Unintended Exposures - generic - no model	From user comment to clarify additional model or [actions]
14	PROC 2b - Transfer of chemicals from/to vessels/long containers at dedicated facility	- SU22	Professional Bulk transferers [CS14].	Dedicated facility [CS81]. Transfer from/pouring from containers [CS22].	250.00				250
15	PROC 9 - Transfer of chemicals into small containers (dedicated filling line)	- SU22	Professional Small package filling [CS9].	Dedicated facility [CS81]. Pouring from small containers [CS9].	250.00				250
16	PROC 10 - Rotor application or brushing	- SU22	Professional Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39]. With local exhaust ventilation [CS109].	500.00	80.00			100
17	PROC 10 - Rotor application or brushing	- SU22	Professional Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].	500.00				300
18	PROC 10 - Rotor application or brushing	- SU22	Professional Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].	500.00				300
19	PROC 11 - Non industrial spraying	- SU22	Professional Spraying/ fogging by manual application [CS24].	With local exhaust ventilation [CS109].	1000.00	80.00			200
20	PROC 11 - Non industrial spraying	- SU22	Professional Spraying/ fogging by manual application [CS24].		1000.00	30.00	5-25 %	1-4 hours	250
21	PROC 11 - Non industrial spraying	- SU22	Professional Spraying/ fogging by manual application [CS24].		1000.00			15 min / hour	250
22	PROC 11 - Non industrial spraying	- SU22	Professional Spraying/ fogging by manual application [CS24].		1000.00			15 min / hour	250
23	PROC 13 - Treatment of articles by dipping and pouring	- SU22	Professional Dipping, immersion and pouring [CS41].		250.00				250
24	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelleting, pelletisation	- SU22	Professional Production or preparation of articles by tabletting, compression, extrusion, or pelleting [CS100].	With local exhaust ventilation [CS109].	500.00	80.00			100
25	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	- SU22	Professional Production or preparation of articles by tabletting, compression, extrusion, or pelletisation [CS100].		500.00				300
26	PROC 15 - Use of laboratory reagents in small scale laboratories	- SU22	Professional Laboratory activities [CS35].		50.00				50

Aceton

Version 8.0

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Professional Processes relevant for Acetone and Acetone containing products

Generic Exposure Scenario: Professional Processes relevant for Acetone and Acetone containing products			Inhalation Exposure							
No	Use Descriptor (PROCs)	SU 3 / SU 22 Contributing Scenario	Operational Conditions & typical RMMs	TWA (predicted) Effective exposure no modifiers	Duration effective exposure (%)	TWA concentration media	TWA RME factor	Exposure limit media (reference conditions)	From Sub - comment to clarify what source media (if not active)	
27	PROC 13 - Hand-mixing with intimate contact (only PPE available)	Professional Hand application - fingerprints, pastes, adhesives [CS/2]		500,00		5-50%			Predicted Effective exposure media (if not modified)	
28	PROC 13 - Hand-mixing with intimate contact (only PPE available)	Professional Hand application - fingerprints, pastes, adhesives [CS/2]		500,00		15 min+1 hour			500	

24/36

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

2010-08-23

Professional Processes relevant for Acetone and Acetone containing products

CSR-Worker-Acetone-prof \ Dermal Exposure

Professional Processes relevant for Acetone and Acetone containing - Products

No	Use Descriptor (PRO Ca)	SU 3 / SU 22	Contributing Scenario	Dermal Exposure			
				Operational Conditions & typical RMMS	TRIA Predicted Dermal exposure LEL reduction factor	TRIA concentration factor	File last - comment to clarify additional modifier (Acetone)
1	PROC 1 - Use in closed processes, no likelihood of exposure	Professional General exposures (closed systems) [CS15]; - SU22	General exposures (closed systems) [CS15];	0.34			Predicted Dermal Exposure (mg/m3) - modified 0.34
2	PROC 2 - Use in closed, continuous process with continuous control, controlled exposure	Professional General exposures (closed systems) [CS15]; - SU22	Continuous process [CS54]; : Process sampling [CS2];	1.37			
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Professional General exposures (closed systems) [CS15]; - SU22	Batch process [CS55]; Process sampling [CS2];	0.34			1.37
4	PROC 4 - Use in batch (synthesis) and other processes (synthesis) where opportunity for exposure	Professional General exposures (closed systems) [CS108]; - SU22	Process sampling [CS2];	6.86			6.86
5	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional Mixing operations (open systems) [CS30]; - SU22	Batch process [CS55]; : Process sampling [CS2]; with local exhaust ventilation [CS109];	13.71	0.01		0.07
6	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional Mixing operations (open systems) [CS30]; - SU22	Batch process [CS55]; Process sampling [CS2];	13.71			13.71
7	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional Mixing operations (open systems) [CS30]; - SU22	Batch process [CS55]; Process sampling [CS2];	13.71			13.71
8	PROC 6 - Calendering operations	Professional Calendering (including Banbury) [CS54]; - SU22	Calendering (including Banbury) [CS54]; ventilation [CS109]; with local exhaust	27.43	0.05		27.43
9	PROC 6 - Calendering operations	Professional Calendering (including Banbury) [CS54]; - SU22	Calendering (including Banbury) [CS54]	27.43			27.43
10	PROC 6 - Calendering operations	Professional Calendering (including Banbury) [CS54]; - SU22	Calendering (including Banbury) [CS54]	27.43			27.43
11	PROC 8a - Transfer of chemicals from/to vessel/s	Professional Bulk transfers [CS14]; - SU22	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22]; with local exhaust ventilation	13.71	0.01		0.14
12	PROC 8a - Transfer of chemicals from/to vessel/s	Professional Bulk transfers [CS14]; - SU22	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22];	13.71			13.71

25/36

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

2010-08-23

Professional Processes relevant for Acetone and Acetone containing products

CSR-Worker-Acetone-prof \ Dermal Exposure

Professional Processes relevant for Acetone and Acetone containing Products

Generic Exposure Scenario:				Dermal Exposure			
No	Use Descriptor (PRO Ca)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMS	TRA Predicted Dermal exposure LEV reduction factor	TRA concentration factor	PP/E Basis/ exposure modifier: (acetone)
13	PROC 8a - Transfer of chemicals from a vessel / large containers at non dedicated facilities.	Professional Bulk transfers [CS14]; - SLU22	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].	13.71			File last - comment to clarify additional modifier (acetone)
14	PROC 8b - Transfer of chemicals from a vessel / large containers at dedicated facilities.	Professional Bulk transfers [CS14]; - SLU22	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].	6.86			6.86
15	PROC 9 - Transfer of chemicals into small containers (dedicated filling line).	Professional Small package filling [CS7]; - SLU22	Dedicated facility [CS81]; Pouring from small containers [CS8].	6.86			6.86
16	PROC 10 - Roller application or brushing	Professional Rolling, Brushing [CS4]; - SLU22	Or: Equipment cleaning and maintenance [CS39]; with local exhaust ventilation [CS109].	27.43	0.060		1.37
17	PROC 10 - Roller application or brushing	Professional Rolling, Brushing [CS51]; - SLU22	Or: Equipment cleaning and maintenance [CS39].	27.43	5-25%		16.46
18	PROC 10 - Roller application or brushing	Professional Rolling, Brushing [CS51]; - SLU22	Or: Equipment cleaning and maintenance [CS39].	27.43			27.43
19	PROC 11 - Non industrial spraying	Professional Spraying/fogging by manual application [CS24]; - SLU22	with local exhaust ventilation [CS109]	107.14	0.02		2.14
20	PROC 11 - Non industrial spraying	Professional Spraying/fogging by manual application [CS24]; - SLU22		107.14	5-25%		64.28
21	PROC 11 - Non industrial spraying	Professional Spraying/fogging by manual application [CS24]; - SLU22		107.14			107.14
22	PROC 11 - Non industrial spraying	Professional Spraying/fogging by manual application [CS24]; - SLU22		107.14			107.14
23	PROC 13 - Treatment of articles by dipping and pouring	Professional Dipping, immersion and pouring [CS4]; - SLU22		13.71			13.71
24	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, cellulation	Professional Production or preparation of articles by tabletting, compression, extrusion or cellulation [CS109]		3.43	0.10		0.34

26/36

Aceton

Version 8.0

Date de révision 07.12.2010

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2010-08-23

Professional Processes relevant for Acetone and Acetone containing products

CSR-Worker-Acetone-prof \ Dermal Exposure

Generic Exposure Scenario: Professional Processes relevant for Acetone and Acetone containing- products				Dermal Exposure			
No	Use Descriptor (PRO Ca)	SU 3 / SU 22 Contributing Scenario	Operational Conditions & typical RMMs	TRI Predicted Dermal exposure (mg/m³) - no reduction	TRI concentration factor	TRI Predicted Dermal exposure (mg/m³) - to clarify additional modifier (Acetone)	File last - comment (Predicted Exposure (mg/m³) - modified)
25	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation, pelletisation [CS100].	Professional production or articles by tabletting, compression, extrusion or pelletisation [CS100].	- SLU22	3.43			3.43
26	PROC 15 - Use of laboratory reagents in small scale laboratories	Professional laboratory activities	- SLU22		0.34		0.34
27	PROC 19 - Hand-mixing with intimate contact (only FFFE available)	Hand application - fingerpainted, pastels, adhesives [CS72]	- SLU22	141.43	5-25%	gloves	16.97
28	PROC 19 - Hand-mixing with intimate contact (only FFFE available)	Hand application - fingerpainted, pastels, adhesives [CS72]	- SLU22	141.43			141.43

27/36

Aceton

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2010-06-23

26/36

CSR-Worker-Acetone-profil RCR

Professional Processes relevant for Acetone and Acetone containing products

Professional Processes relevant for Acetone and Acetone containing products						Risk Characterization		
No	Use Descriptor (IPROCs)	SU 3/ SU 22	Contributing Scenario	Operational Conditions & typical RMMs	Operational Conditions (closed systems) [CS107]; Process sampling [CS2];	RCR (Inhalation)	RCR (dermal)	RCR (all routes)
1	PROC 1 - Use in closed process, no likelihood of exposure	Professional - SU22	General exposures (closed systems) [CS15];			0.00002	0.0002	0.002
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Professional - SU22	General exposures (closed systems) [CS15];	Continuous process [CS54]; Process sampling [CS2];		0.10	0.01	0.11
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Professional - SU22	General exposures (closed systems) [CS15];	Batch process [CS55]; Process sampling [CS2];		0.20	0.002	0.20
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	Professional - SU22	Process sampling [CS2];			0.50	0.04	0.54
5	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30];	Batch process [CS55]; Process sampling [CS2]; with local exhaust ventilation [CS109];		0.20	0.00	0.20
6	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30];	Batch process [CS55]; Process sampling [CS2];		0.70	0.07	0.77
7	PROC 5 - Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30];	Batch process [CS55]; Process sampling [CS2];		0.60	0.07	0.67
8	PROC 6 - Calendering operations	Professional - SU22	Calendering (including Banbury) [CS64]; with local exhaust ventilation [CS109];			0.84	0.15	0.99
9	PROC 6 - Calendering operations	Professional - SU22	Calendering (including Banbury) [CS64]			0.84	0.15	0.99
10	PROC 6 - Calendering operations	Professional - SU22	Calendering (including Banbury) [CS64]			0.72	0.15	0.87
11	PROC 8a - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14];	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22]; with local exhaust ventilation [CS109];		0.20	0.001	0.20

Aceton

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2010-06-23

CSR-Worker-Acetone-profil RCR

Professional Processes relevant for Acetone and Acetone containing products

29/36

Generic Exposure Scenario:				Professional Processes relevant for Acetone and Acetone containing products				Risk Characterization		
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs				RCR (Inhalation)	RCR (dermal)	RCR (all routes)
12	PROC 8a - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].				0.70	0.07	0.77
13	PROC 8a - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].				0.60	0.07	0.67
14	PROC 8b - Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].				0.50	0.04	0.54
15	PROC 9 - Transfer of chemicals into small containers (dedicated filling line)	Professional - SU22	Small package filling [CS7].	Dedicated facility [CS81]; Pouring from small containers [CS9].				0.50	0.04	0.54
16	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39]. ; with local exhaust ventilation [CS109].				0.20	0.007	0.21
17	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].				0.60	0.09	0.69
18	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].				0.60	0.15	0.75
19	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].	with local exhaust ventilation [CS109].				0.40	0.01	0.41
20	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].					0.50	0.35	0.85
21	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].					0.40	0.58	0.98
22	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].					0.20	0.58	0.78

Aceton

Version 8.0

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Date d'impression 17.12.2010

2010-06-23

30/36

Professional Processes relevant for Acetone and Acetone containing products

Professional Processes relevant for Acetone and Acetone containing products				Risk Characterization			
No	Use Descriptor (IPROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs	RCR (Inhalation)	RCR (dermal)	RCR (all routes)
23	PROC 13 - Treatment of anodes by dipping and pouring	Professional - SU22	Dipping, Immersion and pouring [CS4].		0.50	0.07	0.57
24	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation of articles by tabletting, compression, extrusion or pelletisation [CS100].	with local exhaust ventilation [CS109].	0.20	0.002	0.20
25	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation of articles by tabletting, compression, extrusion or pelletisation [CS100].		0.60	0.02	0.62
26	PROC 15 - Use of laboratory reagents in small scale laboratories	Professional - SU22		Laboratory activities [CS36].	0.10	0.002	0.10
27	PROC 19 - Hand-mixing with intimate contact (only PPE available	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [CS72]		0.60	0.09	0.69
28	PROC 19 - Hand-mixing with intimate contact (only PPE available	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [CS72]		0.20	0.76	0.96

Aceton

Version 8.0

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Acetone - Consumer

2010-08-23

Identified Consumer Generic Exposure Scenarios (GESs) of Acetone

GES No.	Subsector	Main SU	Description	PC
EC No.				
CAS No.				
1	Uses in Coatings	All Consumer Uses (SU21)	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including product transfer and preparation, application by brush, spray by hand or similar methods) and equipment cleaning.	PC1, PC4, PC5, PC9, PC10, PC15, PC24, PC31
2	Use in Cleaning Agents	All Consumer Uses (SU21)	Covers general exposures to consumers arising from the use of household products sold as washing and cleaning products, aerosols, coatings, de-icers, lubricants and air care products.	PC3, PC4, PC9, PC24, PC32, PC 35, PC38
3	De-icing and anti-icing applications	All Consumer Uses (SU21)	De-icing of vehicles and similar equipment by spraying	PC4

Identified Consumer - PCs & Market Sector - PCs

PC	Acetone			PC type
	Coatings	Cleanings	De-icing	
PC1	x			Consumer
PC3		x		Consumer
PC4	x	x	x	Market Sector
PC9	x	x		Consumer
PC15	x			Market Sector
PC24	x	x		Consumer
PC31	x			Consumer
PC32		x		Market Sector
PC35		x		Consumer
PC38		x		Market Sector

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

2010-08-23

Main Sector of Use: All Consumer Uses

Section 1		Exposure Scenario Title	
Title		GES USES	
Sector of Use (SUI code)		21	
Use Descriptor (PC codes)		PC LISTS	
Processes, tasks, activities covered		DESCRIPTIONS	
Environmental Release Category			
Specific Environmental Release Category			
Section 2		Operational conditions and risk management measures	
<i>Field for additional statements to explain scenario if required - pending better understanding from ECHA</i>		<i>Control of consumer exposure</i>	
Section 2.1			
Product characteristics			
Physical form of product	liquid		
Vapour pressure	24000		
Concentration of substance in product	Unless otherwise stated, cover concentrations up to 100% [ConsOC1]		
Amounts used	Unless otherwise stated, covers use amounts up to 37500g [ConsOC2]; covers skin contact area up to 6600cm ² [ConsOC5]		
Frequency and duration of use/exposure		Unless otherwise stated, covers use frequency up to 4 times per day [ConsOC4]; covers exposure up to 8 hours per event [ConsOC14]	
Other Operational Conditions affecting exposure		Unless otherwise stated assumes use at ambient temperatures [ConsOC15]; assumes use in a 20 m ³ room [ConsOC11]; assumes use with typical ventilation [ConsOC3].	
Section 2.1.1		Product categories	
PC1:Adhesives, sealants,Glues, hobby use		OC Unless otherwise stated, covers concentrations up to 30% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 35.73 cm ² [ConsOC5]; for each use event, covers use amounts up to 9g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 4.00hr/event[ConsOC14].	
RMM		No specific RMMs identified beyond those OCs stated	
PC1:Adhesives, sealants,Glues DIY-use (carpet glue, tile glue, wood parquet glue)		OC Unless otherwise stated, covers concentrations up to 30% [ConsOC1]; covers use up to 1 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 110.00 cm ² [Cons OC5]; for each use event, covers use amounts up to 6390g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 6.00hr/event[ConsOC14].	
RMM		No specific RMMs identified beyond those OCs stated	
PC1:Adhesives, sealants,Glue from spray		OC Unless otherwise stated, covers concentrations up to 30% [ConsOC1]; covers use up to 6 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 35.73 cm ² [ConsOC5]; for each use event, covers use amounts up to 65.05g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 4.00hr/event[ConsOC14].	
RMM		No specific RMMs identified beyond those OCs stated	

32/36

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Section 2.1.1	Product categories	Product descriptions
PC1:Adhesives, sealants- Sealants	OC	Unless otherwise stated, covers concentrations up to 30% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 35.73 cm ² [ConsOC2]; for each use event, covers use amounts up to 75g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 1.00hr/event[ConsOC14];
PC3: Air care products--Air care, instant action (aerosol sprays)	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 4 times/day of use[ConsOC4]; for each use event, covers use amounts up to 0.1g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 0.25hr/event[ConsOC14];
PC3: Air care products--Air care, continuous action (solid and liquid)	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 10% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 35.70 cm ² [ConsOC5]; for each use event, covers use amounts up to 0.48g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 8.00hr/event[ConsOC14];
PC4_n:Anti-freeze and de-icing products-- Washing car window	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 1% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; for each use event, covers use amounts up to 0.5g [ConsOC2]; Covers use in a one car garage (34m ³); under typical ventilation [ConsOC10]; covers use in room size of 34m ³ [ConsOC11]; for each use event, covers exposure up to 0.02hr/event[ConsOC14];
PC4_n:Anti-freeze and de-icing products--Pouring into radiator	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 10% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 428.00 cm ² [ConsOC5]; for each use event, covers use amounts up to 2000g [ConsOC2]; Covers use in a one car garage (34m ³) under typical ventilation [ConsOC10]; covers use in room size of 34m ³ [ConsOC11]; for each use event, covers exposure up to 0.17hr/event[ConsOC14];
PC4_n:Anti-freeze and de-icing products--Lock de-icer	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 214.40 cm ² [ConsOC5]; for each use event, covers use amounts up to 4g [ConsOC2]; Covers use in a one car garage (34m ³) under typical ventilation [ConsOC10]; covers use in room size of 34m ³ [ConsOC11]; for each use event, covers exposure up to 0.25hr/event[ConsOC14];
PC5a:Coatings and paints, fillers putties, thinners- Waterborne latex wall paint	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 1.5% [ConsOC1]; covers use up to 4 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 428.75 cm ² [ConsOC5]; for each use event, covers use amounts up to 2760g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 2.20hr/event[ConsOC14];
PC5a:Coatings and paints, fillers putties, thinners- Solvent rich, high solid, water borne paint	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 27.5% [ConsOC1]; covers use up to 6 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 428.75 cm ² [ConsOC5]; for each use event, covers use amounts up to 744g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 2.20hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated

Aceton

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Main Sector of Use: All Consumer Uses

Section 2.1.1	Product categories	Product description
PC1a: Coatings and paints, fillers putties, thinners- Aerosol spray can	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 2 days/year [ConsOC3]; covers use in a one car garage (34m ³) under typical ventilation [ConsOC2]; covers use in room size of 34m ³ [ConsOC11]; for each use event, covers exposure up to 0.33hr/vent[ConsOC14];
PC5a: Coatings and paints, fillers putties, thinners- Removers (paint-, glue-, wall paper-, sealant- remover)	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 3 days/year [ConsOC3]; covers use in a one car garage (34m ³) under typical ventilation [ConsOC2]; covers use in room size of 20m ³ [ConsOC11]; 1 time/on day of use[ConsOC4]; covers skin contact area up to 857.50 cm ² [ConsOC5]; for each use event, covers use amounts up to 4919 [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 2.00hr/event[ConsOC14];
PC6b: Fillers, putties, plasters, modeling clay – Fillers and putty	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 2% [ConsOC1]; covers use up to 12 days/year [ConsOC3]; covers use in room size of 20m ³ [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; 1 time/on day of use[ConsOC4]; covers skin contact area up to 35.73 cm ² [ConsOC5]; for each use event, covers use amounts up to 85g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 4.00hr/event[ConsOC14].
PC6c: Fillers, putties, plasters, modeling clay – Plasters and floor equalizers	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 2% [ConsOC1]; covers use up to 12 days/year [ConsOC3]; covers use in room size of 20m ³ [ConsOC2]; covers skin contact area up to 857.50 cm ² [ConsOC5]; for each use event, covers use amounts up to 13800g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 2.00hr/event[ConsOC14];
PC6d: Fillers, putties, plasters, modeling clay – Modelling clay	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 1% [ConsOC1]; covers use up to 365 days/year [ConsOC3]; covers use in room size of 20m ³ [ConsOC2]; covers skin contact area up to 254.40 cm ² [ConsOC5]; for each use event, assumes swallowed amount of 1g [ConsOC13].
PC8c: Finger paints	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 365 days/year [ConsOC3]; covers use in room size of 20m ³ [ConsOC2]; covers skin contact area up to 254.40 cm ² [ConsOC5]; for each use event, assumes swallowed amount of 1.35g [ConsOC13].
PC15_n: Non-metal surface treatment products – Solvent rich, high solid, water borne paint	RMM OC	Avoid using at a product concentration greater than 5% [ConsRMM1]; Unless otherwise stated, covers concentrations up to 27.5% [ConsOC1]; covers use up to 6 days/year [ConsOC3]; covers use in room size of 20m ³ [ConsOC2]; covers skin contact area up to 428.75 cm ² [ConsOC5]; for each use event, covers use amounts up to 744g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 2.20hr/event[ConsOC14].
PC15_n: Non-metal surface treatment products – Aerosol spray can	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 2 days/year [ConsOC3]; covers use in a one car garage (34m ³) under typical ventilation [ConsOC2]; 1 time/on day of use[ConsOC4]; for each use event, covers use amounts up to 215g [ConsOC2]; covers use in room size of 34m ³ [ConsOC11]; for each use event, covers exposure up to 0.33hr/vent[ConsOC14];
PC15_n: Non-metal surface treatment products – Removers (paint-, glue-, wall paper-, sealant- remover)	RMM OC	No specific RMMs identified beyond those OCs stated Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 3 days/year [ConsOC3]; covers use in room size of 20m ³ [ConsOC2]; covers use in room size of 20m ³ [ConsOC11]; 1 time/on day of use[ConsOC4]; covers skin contact area up to 857.50 cm ² [ConsOC5]; for each use event, covers use amounts up to 4919 [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 2.00hr/event[ConsOC14].

34/36

Narr_High

Aceton

Version 8.0

Date de révision 07.12.2010

Date d'impression 17.12.2010

Section 2.1.1		Product categories	
PC24: Lubricants, greases, and release products- Liquids	OC	Unless otherwise stated, covers concentrations up to 100% [ConsOC1]; covers use up to 4 days/year[ConsOC3]; covers use up to 1/time/on day of use[ConsOC4]; covers skin contact area up to 468.00 cm ² [ConsOC5]; for each use event, covers use amounts up to 2200g [ConsOC2]; Covers use in a one car garage (34m ³) under typical ventilation [ConsOC10]; covers use in room size of 34m ³ [ConsOC11]; for each use event, covers exposure up to 0.17hr/event[ConsOC14];	
PC24: Lubricants, greases, and release products- Pastes	RMM	Unless otherwise stated, covers concentrations up to 20% [ConsOC1]; covers use up to 10 days/year[ConsOC3]; covers use up to 1/time/on day of use[ConsOC4]; covers skin contact area up to 343[ConsOC11];	
PC24: Lubricants, greases, and release products- Sprays	RMM	No specific RMMs identified beyond those OCs stated	
PC31:Polishes and wax blends-Polishes, wax / cream (floor, furniture, shoes)	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 29 days/year[ConsOC3]; covers use up to 1/time/on day of use[ConsOC4]; covers skin contact area up to 430.00 cm ² [ConsOC5]; for each use event, covers use amounts up to 142g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 0.17hr/event[ConsOC14].	
PC31:Polishes and wax blends-Polishes, wax / (furniture, shoes)	RMM	No specific RMMs identified beyond those OCs stated	
PC35:Washing and cleaning products (including solvent based products)-Laundry and dish washing products	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 8 days/year[ConsOC3]; covers use up to 1/time/on day of use[ConsOC4]; covers skin contact area up to 430.00 cm ² [ConsOC5]; for each use event, covers use amounts up to 35g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 1.23hr/event[ConsOC14].	
PC35:Washing and cleaning products (including solvent based products)-Cleaners, liquids (all purpose cleaners, sanitary products, floor cleaners, glass cleaners, carpet cleaners, metal cleaners.)	RMM	No specific RMMs identified beyond those OCs stated	
PC35:Washing and cleaning products (including solvent based products)-Cleaners, trigger sprays (all purpose cleaners, sanitary products, glass cleaners)	OC	Unless otherwise stated, covers concentrations up to 5% [ConsOC1]; covers use up to 128 days/year[ConsOC3]; covers use up to 1/time/on day of use[ConsOC4]; covers skin contact area up to 857.50 cm ² [ConsOC5]; for each use event, covers use amounts up to 27 g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 0.33hr/event[ConsOC14].	
PC35:Washing and cleaning products (including solvent based products)-Cleaners, trigger sprays (all purpose cleaners, sanitary products, glass cleaners)	RMM	No specific RMMs identified beyond those OCs stated	
		Unless otherwise stated, covers concentrations up to 15% [ConsOC1]; covers use up to 128 days/year[ConsOC3]; covers use up to 1/time/on day of use[ConsOC4]; covers skin contact area up to 428.75 cm ² [ConsOC5]; for each use event, covers use amounts up to 35g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 0.17hr/event[ConsOC14].	
		No specific RMMs identified beyond those OCs stated	

35/36

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Aceton

Version 8.0

Date de révision 07.12.2010

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2010-08-23

Main Sector of Use: All Consumer Uses

		Product categories
Section 2.1.1	PC38_n: Welding and soldering products, flux products--NOTE: n_assessment not in TRA	OC Unless otherwise stated, covers concentrations up to 20% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; for each use event, covers use amounts up to 12g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m ³ [ConsOC11]; for each use event, covers exposure up to 1.00m ³ /event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
Section 3		Exposure Estimation ('flexible' heading)
<i>ECHA Note in draft template: Exposure estimation and risk characterisation ranks (for all routes of exposure for consumers and all compartments for environment) resulting from the conditions described under Sections 2.1 and 2.2.1, and the substance properties; make reference to the exposure assessment tool applied. Note: Detail could be confusing for customers. Also may be an extensive list. Propose to include a weblink from where these data can be retrieved (a component of GES development).</i>		
3.1. Health		<i>Standard phrases expected. Ability to include a web link.</i>
3.2. Environment		<i>Standard phrases expected. Ability to include a web link.</i>
Section 4		Guidance to check compliance with the Exposure Scenario ('flexible' heading)
4.1. Health		<i>Guidance on how the DU can evaluate whether he operates within the conditions set in the exposure scenario - scaling tools. Standard phrases</i>
4.2. Environment		<i>Utilize TRA, TRA+ and/or CONSEXPo exposure model</i>
		<i>Environment sub-headings (design as phrases) Standard phrases</i>

36/36

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