[Toutes les photos \(3\)](#)

Documents

[FDS](#)[COO/COA](#)[Fiche des caractéristiques](#)[Plus de documents »](#)**P6148** ▶ **Sigma-Aldrich.**

Paraformaldehyde

★★★★★ (0)

reagent grade, crystalline

Synonyme(s):

Polyoxymethylene

Formule linéaire:

 $\text{HO}(\text{CH}_2\text{O})_n\text{H}$ Numéro CAS: **30525-89-4**

Poids moléculaire: 30.03 (as monomer)

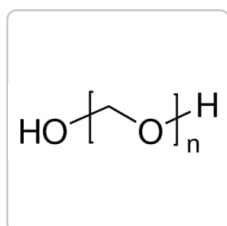
Numéro MDL: **MFCD00133991**ID de substance PubChem: **24898648**

NACRES: NA.25

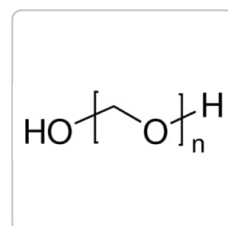
Référence	Conditionnement	Disponibilité	Prix	Quantité
P6148-500G	500 G	✓ Disponible pour expédition le 07 octobre 2022 Détails...	40,70 €	- + 
P6148-1KG	1 KG	✓ Date d'expédition estimée le 22 février 2023	59,40 €	- + 
P6148-5KG	5 KG	✓ Only 3 left in stock (more on the way) Détails...	282,00 €	- + 

[Demander une commande en gros](#)[Ajouter au panier](#)

PRODUITS RECOMMANDÉS



Sigma-Aldrich

158127**Paraformaldehyde**
powder, 95%[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

441244**Paraformaldehyde**
prilled, 95%[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Qualité	reagent grade
Niveau de qualité	200
Densité de vapeur	1.03 (vs air)
Pression de vapeur	<1.45 mmHg (25 °C)
Forme	crystalline
Température d'inflammation spontanée	572 °F

Expl. lim.	73 %
Pf	120-170 °C (lit.)
Densité	0.88 g/mL at 25 °C (lit.)
Temp. de stockage	2-8°C
InChI	1S/CH2O/c1-2/h1H2
InChI key	WSFSSNUMVMOOMR-UHFFFAOYSA-N

Vous recherchez des produits similaires ? Visitez [Guide de comparaison des produits](#)

DESCRIPTION

Description générale

Paraformaldehyde is a cross-linking fixative. It is changed to formaldehyde by heating and by adding small amount of sodium hydroxide.

Application

Paraformaldehyde is recommended for use in the preparation of formalin fixatives for tissues or cells when the samples are to be used in fluorescence studies.

Paraformaldehyde has been used for fixing of cells and tissue sections during staining procedures.

Conditionnement

500 g in poly bottle

1 kg in poly bottle

5 kg in poly drum

PRODUITS APPARENTÉS

Produit Apparenté

08168

Timestrip Plus™ 8 °C

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS02,GHS05,GHS07,GHS08

Mention d'avertissement

Danger

Mentions de danger

**H228 - H302 + H332 - H315 -
H317 - H318 - H335 - H341 -
H350**

Conseils de prudence

**P210 - P280 - P301 + P312 -
P304 + P340 + P312 - P305 +
P351 + P338 - P308 + P313**

Classification des risques

Acute Tox. 4 Inhalation -
Acute Tox. 4 Oral - Carc. 1B -
Eye Dam. 1 - Flam. Sol. 2 -
Muta. 2 - Skin Irrit. 2 - Skin
Sens. 1 - STOT SE 3

Organes cibles

Respiratory system

Code de la classe de stockage

4.1B - Flammable solid
hazardous materials

WGK

WGK 2

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

Équipement de protection individuelle

Eyeshields, Faceshields,
Gloves, type P3 (EN 143)
respirator cartridges

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

Rechercher

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

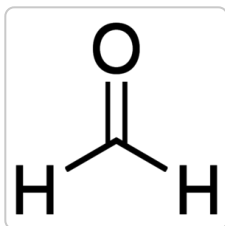
Comment saisir un numéro de lot (COO)

Rechercher

Plus De Documents

[Spectra - ATR-IR](#)[Structure Search](#)[FDS](#)

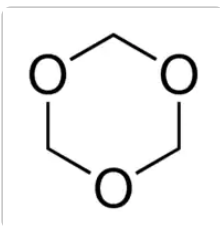
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

252549**Formaldehyde solution**

ACS reagent, 37 wt. % in H₂O, contains 10-15% Methanol as stabilizer (to prevent polymerization)

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

T81108**1,3,5-Trioxane**

≥99%

[Consulter le prix et la disponibilité](#)

QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

What is the difference between formaldehyde and paraformaldehyde?

Paraformaldehyde is the polymeric form of formaldehyde. Paraformaldehyde is a solid, and formaldehyde is a gas. Formaldehyde solutions consist of formaldehyde gas dissolved in a solvent of some kind.

What is the shelf life of Product P6148, Paraformaldehyde?

The shelf life has not been assigned but guarantee of quality is 1 year from the time of receipt for unopened bottles stored at 2-8 °C. We expect the product to be of good quality for at least 2 years.

How does Product P6148, Paraformaldehyde, compare to prilled paraformaldehyde, Product 441244?

Prilled has the appearance of small white beads. Product P6148 is a powder, not prilled.

How stable are Product P6148, Paraformaldehyde, solutions?

Buffered solutions of 2-4% can be stored protected from light for 2-3 weeks at 2-8°C.

How to prepare solutions of Product P6148, Paraformaldehyde?

Paraformaldehyde does not dissolve but rather can be depolymerized in solution. Depolymerized solutions can be prepared in water with heating to 55-60°C. If necessary, further addition of 1-2 drops of a sodium hydroxide solution may be required. Some protocols suggest that paraformaldehyde should be prepared in buffered solutions such as phosphate buffer or PBS at approximately pH 7.

Which document(s) contains shelf-life or expiration date information for a given product?

If available for a given product, the recommended re-test date or the expiration date can be found on the Certificate of Analysis.

How do I get lot-specific information or a Certificate of Analysis?

The lot specific COA document can be found by entering the lot number above under the "Documents" section.

What is the difference between formaldehyde and paraformaldehyde?

Paraformaldehyde is the polymeric form of formaldehyde. It is a solid. Formaldehyde is a gas which when dissolved in water gives a formaldehyde solution. Commercially available formaldehyde solutions usually contain 10-15% methanol, which prevents the formaldehyde from forming the polymeric paraformaldehyde.

How do I find price and availability?

There are several ways to find pricing and availability for our products. Once you log onto our website, you will find the price and availability displayed on the product detail page. You can contact any of our Customer Sales and Service offices to receive a quote. USA customers: 1-800-325-3010 or view [local office numbers](#).

What is the Department of Transportation shipping information for this product?

Transportation information can be found in Section 14 of the product's (M)SDS. To access the shipping information for this material, use the link on the product detail page for the product.

What are the differences between the Paraformaldehyde products and which is best suited for use as a fixative for Electron Microscopy?

Product 16005 is sold only in Europe and is not available to US customers. The primary differences among the various products is in the form for each product. P6148 is listed as crystalline, 158127 is listed as powder, and 441244 is listed as prilled. The product information page for 441244 states the prilled form will go into solution more readily, but the prilled, crystalline, and powder forms are equivalent in terms of use. The prilled form is expected to slow down the rate of sublimation compared to the powder or the crystalline forms. Any of the 3 products should be suitable for use as a fixative. However, once prepared, paraformaldehyde solutions are unstable unless methanol is added as a stabilizer. Customer options vary from preparing solutions daily to storing solutions for 2 or 3 weeks. If used as a fixative for electron microscopy, we recommend preparing solutions fresh daily to avoid the risk of repeating tedious EM work due to deterioration of the fixative. For less critical applications, it would be more acceptable to use solutions stored for longer periods of time.

My question is not addressed here, how can I contact Technical Service for assistance?

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

Molecular Plant Biology: A Practical Approach (2002)

The development of 3-D, in vitro, endothelial culture models for the study of coronary artery disease.

Farcas MA et al.

BioMedical Engineering OnLine, 8, 30-30 (2009)

Proliferation of bone marrow-derived cells contributes to regeneration after folic acid-induced acute tubular injury.

Fang TC, et al.

Journal of the American Society of Nephrology, 16, 1723-1723 (2005)

Burphy RW

Immunocytochemistry: A Practical Guide for Biomedical Research (2009)

The short mRNA isoform of the immunoglobulin superfamily, member 1 gene encodes an intracellular glycoprotein.

Ying Wang et al.

PloS one, 12(7), e0180731-e0180731 (2017-07-08)

Mutations in the immunoglobulin superfamily, member 1 gene (IGSF1/Igsf1) cause an X-linked form of central hypothyroidism. The canonical form of IGSF1 is a transmembrane glycoprotein with 12 immunoglobulin (Ig) loops. The protein is co-translationally cleaved into two sub-domains. The carboxyl-terminal

[Afficher tous les articles scientifiques apparentés](#)

PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

Fluorescent *in situ* Hybridization (FISH)

Available Fluorescent in situ hybridization (FISH) procedures, reagents and equipment.

Protocoles

Immunofluorescence Labeling of Cells

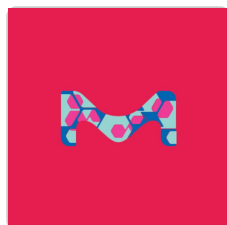
Cell staining can be divided into four steps: cell preparation, fixation, application of antibody, and evaluation.

Contenu apparenté

Preparation & Staining of 3D Printed Tissues & Scaffolds

Three-dimensional (3D) printing of biological tissue is rapidly becoming an integral part of tissue engineering.

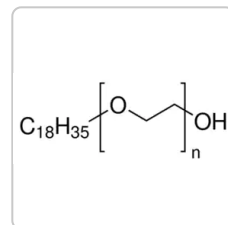
PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

P6140**Peroxidase from horseradish**

Type X, ammonium sulfate suspension

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

P6136**Brij® O10**[Consulter le prix et la disponibilité](#)

Évaluations

[Soyez le premier à donner votre avis sur ce produit](#)

Questions

[Soyez le premier à poser une question](#)

SERVICE TECHNIQUE

Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie,

science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

[Contacter notre Service technique](#)

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