

# Safety data for paraformaldehyde

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[Glossary](#) of terms on this data sheet.

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

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## General

Synonyms: paraform, polyoxymethane, polymerised formaldehyde, alacide, flo-mor, formagene

Molecular formula:  $(\text{CH}_2\text{O})_n$

CAS No: 30525-89-4

EC No:

## Physical data

Appearance: white powder with formaldehyde-like odour

Melting point: 120 C

Boiling point:

Vapour density: 1.03

Vapour pressure:

Specific gravity: 1.40

Flash point: 70 C

Explosion limits: 7.0 - 73%

Autoignition temperature:

## Stability

Stable. Incompatible with strong acids, organic acids, strong oxidizing agents, oxides, alkalies, strong bases, amines.

Combustible. Dust may form an explosive mixture with air.

Liberates poisonous gases on combustion.

## Toxicology

Experiments with animals suggest that this material may act as a carcinogen. Ingestion may be fatal. May cause heritable genetic damage. May cause irreversible damage to sight. Corrosive. May cause skin or eye burns or irritation. Can cause severe burning of mouth and stomach. Harmful by inhalation, ingestion or skin absorption. Read also the safety information for [formaldehyde](#).

### Toxicity data

(The meaning of any abbreviations which appear in this section is given [here](#).)

ORL-RAT LD50 800 mg kg<sup>-1</sup>

IHL-RAT LC50 1070 mg/m<sup>3</sup>/4h.

### Irritation data

(The meaning of any abbreviations which appear in this section is given [here](#).)

SKN-RBT 500 mg/24h SEV

EYE-RBT 100 mg SEV

### **Risk phrases**

(The meaning of any risk phrases which appear in this section is given [here.](#))

R21 R22 R23 R34 R42 R43 R45 R46.

## **Personal protection**

Safety glasses, gloves. Effective ventilation. Handle as a possible carcinogen.

### **Safety phrases**

(The meaning of any safety phrases which appear in this section is given [here.](#))

S16 S26 S36 S37 S39 S45.

[Return to [Physical & Theoretical Chemistry Lab. Safety home page.](#)]

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## **SPECIFICATIONS**

Grade :

91% Prills.

Formaldehyde :

89.5 - 92.5%.

Ash :

0.01% max.

Formic Acid :

0.03% max.

pH Value (10% suspension) :

3.5 - 5.0.