

Safety (MSDS) data for poly(tetrafluoroethylene)

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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.

General

Synonyms: PTFE, Teflon, polytetrafluoroethylene, poly(ethylene tetrafluoride), tetrafluoroethylene polymer, tetrafluoroethylene homopolymer

Use:

Molecular formula:

CAS No: 9002-84-0

EINECS No: 204-126-9

Physical data

Appearance: white powder, or white solid with a slippery feel

Melting point: 327 C

Boiling point:

Vapour density:

Vapour pressure:

Density (g cm⁻³): varies, depending upon form

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility: insoluble

Stability

Stable - unreactive with most materials. Incompatible with molten alkali metals, fluorine and other halogens, strong oxidizing agents.

Toxicology

This material in the form of blocks, tape or coating is unlikely to present a hazard. The powder is regarded as a potential carcinogen if inhaled, but the powdered material is unlikely to be encountered in normal use.

Toxicity data

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

Risk phrases

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

Transport information

(The meaning of any UN hazard codes which appear in this section is given here.)

Non-hazardous for air, sea and road freight.

Personal protection

Suitable ventilation if using the powder. No protection required otherwise.

Safety phrases

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

S24 S25 S28 S37 S45.

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