

Perfluoro Compunds

TOPOR

Topor is insoluble in water, colourless and odorless liquid. It is nearly perfectly suitable for investigations of porous materials, because of its surface tension.

Applications

- Wetting fluid for capillary pore size meter

Advantages

- Surface tension matching most requirements

Regulations

- *Symbols:* Not dangerous.
- Water Danger Classification 2 VwVwS 6/99

Hazards Identification

- *Inhalation:* No health effects are expected.
- *Skin Contact:* Contact with the skin during product use is not expected to result in significant irritation.
- *Eye Contact:* Contact with the eyes during product in use is not expected to result in significant irritation.
- *Ingestion:* No health effects are expected.

First Aid Procedures

- *Inhalation:* If signs/symptoms develop, remove person to fresh air. If signs/symptoms develop, get medical attention.
- *Skin Contact:* Wash affected area with soap and water. If signs/symptoms develop, get medical attention.
- *Eye Contact:* Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.
- *If Swallowed:* No need for first aid is anticipated.

Physical and Chemical Properties

| | |
|----------------------------|-------------------------------------|
| Name | Primarily Compounds with 12 Carbons |
| CAS-Nr. | 86508-42-1 |
| Formula | Not applicable |
| Specific Physical Form | Liquid |
| Odor, Color, Grade | Colorless, odorless, liquid |
| Specific Gravity / Density | approx. 1.9 g/ml Water = 1 |
| Viscosity | approx. 2 cSt (@ 25 °C) |
| Melting Point | Not applicable |
| Boiling Point | 158 – 173 °C |
| Vapour Pressure | approx. 400 Pa at 25°C |
| Auto ignition Temperature | Not applicable |
| Flash Point | Not applicable |
| Surface Tension | 16.0 mN/m |

Transport Information

- No dangerous good

Toxicological information

- To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.
- Thermal decomposition may produce trace amounts of HF and in some cases PFIB. Trace decomposition may occur at the b.p.; increased decomposition at increased surface temperatures. Do not breathe thermal decomposition products. Do not smoke when using the product (contamination).



Excerpt from Material Safety Data Sheet of Manufacturer (November 2011)

Stability and Reactivity

- *Stability:* Stable. Hazardous polymerization will not occur.
- *Materials and Conditions to Avoid:* Finely divided active metals, Alkali and alkaline earth materials, Heat (greater than 200°C)
- *Hazardous Decomposition:* If the product is exposed to extreme condition of heat from misuse or equipment failure, toxic decomposition products that include hydrogen fluoride and perfluoroisobutylene can occur.

Fire Fighting Measures

- Material will not burn.
Avoid breathing the products and substances that may result from the thermal decomposition of the product or the other substances in the fire zone. Keep containers cool with water spray when exposed to fire to avoid rupture.

Ecological Information

- This low-solubility substance has insignificant toxicity to aquatic organisms. Take precautions to prevent direct release of this substance to the environment.
- Material will not be reduced in natural environments.

Storage

- Store away from heat. Keep container tightly closed. Keep container in well-ventilated area.

Exposure Control / Personal Protection

- Avoid eye contact.
- Avoid skin contact.
- Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.
- Avoid breathing of vapors, mists or spray.

Disposal Considerations

- *Waste Disposal Method:* Reclaim if feasible. As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material. Combustion products will include HF. Facility must be capable of handling halogenated materials.
- To reclaim or return, check product label for contact.

Topor

Topor is supplied by Topas GmbH:

- 500 ml Bottle
- 1000 ml Bottle

QMS certified to
DIN EN ISO 9001.



12 100 11908 TMS

For more information please
visit our website at
www.topas-gmbh.de

Specifications are subject to
change without notice.

© Copyright 2019 Topas GmbH.

