

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Cyclopentasiloxane D5/ Cyclomethicone 5	Supplier:	ASES CHEMICAL WORKS.
Synonyms:	Cyclopolydimethylsiloxane, Dimethylcyclopolysiloxane, Polydimethyl siloxy cyclics.	Address:	Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
INCI Name:	Cyclopentasiloxane	Phone:	+91-9636889954
CAS Number:	541-02-6	Web:	www.ases.in
Product Form:	Liquid	Email :	ecom@ases.in
Product Use:	Solvent/carrier for personal care and industrial products.		

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

Not a hazardous substance or mixture.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS-No.	EC-No.	Composition (%)
Cyclomethicone 5	541-02-6	208-764-9	100%

4 FIRST AID MEASURES

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5 FIRE-FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide. Dry powder. Foam. Water spray.

Special Hazards: During combustion, may emit irritant fumes.

Fire-Fighting/Further Advice: Wear self-contained breathing apparatus for firefighting if necessary.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for cleaning: Pick up and arrange disposal. Sweep up and shovel. Keep in closed containers for disposal.

7 HANDLING & STORAGE

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure. Provide appropriate exhaust ventilation at places where dust is formed.

Storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place

MATERIAL SAFETY DATA SHEET

CYCLOPENTASILOXANE D5/ CYCLOMETHICONE 5

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Wear approved mask.
Hand protection: Wear protective gloves.
Skin protection: Wear suitable protective clothing.
Eye protection: Chemical goggles or safety glasses.
Hygiene measures: Handle in accordance with good hygiene and safety practices.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid.	Flash Point	171°F(77°C)
Appearance	Colorless transparent liquid	Boiling Point	423 °F (217 °C)
Colour	Colorless	Water Content(ppm)	250
Odor	Odorless to Mild	Evaporation rate	< 1 (n-butyl acetate = 1)
Purity	95-99	Vapor pressure	0.02 kPa @ 20°C
Viscosity	3.8 cSt @ 20°C	Vapor density	> 1 @ 25°C (Air = 1)
Specific Gravity	0.910-0.955	Relative density	0.95 g/cm ³ @ 25°C
Refractive Index	1.38 – 1.40	Solubility (water)	Insoluble
Melting point	47.2 °F (8.44 °C)		

10 STABILITY AND REACTIVITY

Reactivity: No data available.
Chemical Stability: Stable under normal temperature conditions
Hazardous Polymerization: No data available.
Conditions to Avoid: No data available.
Incompatible Materials: No dangerous reaction is known with common products.
Hazardous Decomposition Products: None known.

11 TOXICOLOGICAL INFORMATION

Acute

	Product	Species	Test Results
Dermal	LD50	Rabbit	> 16 ml/kg
		Rat	> 2000 mg/kg
Inhalation	LC50	Rat	8.67 mg/l, 4 hours (aerosol)
Oral	LD50	Rat	> 5000 mg/kg
			> 16 milliliters/kg

Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation Based on available data, the classification criteria are not met.
Respiratory sensitization Knowledge about health hazard is incomplete.
Skin sensitization Based on available data, the classification criteria are not met.
Germ cell mutagenicity Knowledge about mutagenicity is incomplete.
Carcinogenicity Knowledge about carcinogenicity is incomplete.
Reproductive toxicity Based on available data, the classification criteria are not met.

12 ECOLOGICAL INFORMATION

Eco-toxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability: No data available.
Other adverse effects: No data available.

MATERIAL SAFETY DATA SHEET

CYCLOPENTASILOXANE D5/ CYCLOMETHICONE 5

13 DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with relevant local regulations

14 TRANSPORT INFORMATION

DOT UN number: NA1993 **UN proper shipping name:** Combustible liquid, n.o.s. (Cyclosiloxane)

Transport hazard class(es)

Class: Combustible Liquid **Subsidiary risk -** **Label(s):** None

Packing group: III **Packaging exceptions:** 150 **Packaging non bulk:** 203

Packaging bulk: 241 **Special provisions:** IB3, T1, T4, TP1

Not regulated by DOT in containers 119 gallons or less.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16 OTHER INFORMATION

Disclaimer & Caution

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.