

International Chemical Safety Cards

POLYDIMETHYLSILOXANE

ICSC: 0318



Dimethyl polysiloxane
(C₂H₆OSi)_n

ICSC # 0318

CAS # 9016-00-6

RTECS # [TQ2690000](#)

October 15, 2001 Validated

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Powder, AFFF, foam, carbon dioxide.
EXPLOSION			
EXPOSURE			
• INHALATION		Ventilation.	Fresh air, rest.
• SKIN		Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
• EYES	Redness. Pain.	Safety spectacles.	First rinse with plenty of water for several minutes (remove contact

•EYES			lenses if easily possible), then take to a doctor.
•INGESTION	Nausea. Vomiting. Diarrhoea.	Do not eat, drink, or smoke during work.	Rinse mouth. Do NOT induce vomiting.
SPILLAGE DISPOSAL	STORAGE		PACKAGING & LABELLING
Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place.			
SEE IMPORTANT INFORMATION ON BACK			
ICSC: 0318	Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities (C) IPCS CEC 1994. No modifications to the International version have been made except to add the OSHA PELs, NIOSH RELs and NIOSH IDLH values.		

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I M P O R T A	PHYSICAL STATE; APPEARANCE: OILY COLOURLESS LIQUID .	ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation.
	PHYSICAL DANGERS:	INHALATION RISK: No indication can be given about the rate in which a harmful concentration in the air is reached on evaporation of this substance at 20 ²⁰ / ₁ C.
	CHEMICAL DANGERS:	EFFECTS OF SHORT-TERM EXPOSURE: The substance is irritating to the eyes .
	OCCUPATIONAL EXPOSURE LIMITS: TLV not established.	EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:

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**PHYSICAL
PROPERTIES**

Melting point: -50 $^{\circ}$ C
 Relative density (water = 1): 0.91-1.0
 Solubility in water:
 none

Flash point: >110 $^{\circ}$ C
 Octanol/water partition coefficient as log Pow: 2.6-4.25
 Freezing point >110 deg C (Acros Chemical Catalogue)

**ENVIRONMENTAL
DATA**

NOTES

ADDITIONAL INFORMATION

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(C) IPCS, CEC, 1994

**IMPORTANT
LEGAL
NOTICE:**

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