

MATERIAL SAFETY DATA SHEET

Trade Name: CABOSIL

Chemical Family: Silica

Formula: SiO₂

Manufacturer: DEGUSSA CORPORATION
379 Interspace Parkway
Building C, P.O. Box 677
Parsippany, NJ 07054-0677

Supplier: COAST FIBER-TEK
1306 Boundary Road
Burnaby, BC V5K 4T6
Tel.# (604) 294-8116

Emergency Phone #'s:(973) 541-8000

Transportation EMG. Phone # CANUTEC

(613) 996-6666

(604) 930-0650

HAZARDOUS INGREDIENTS:

Silicon dioxide, chemically prepared:

100%

CAS# 112945-52-5

Exposure Limits: ACGIH TWA 10 mg/m³ (inhalable), ACGIH TWA 3mg/m³ (respirable)
OSHA PEL Z1 5mg/m³(respirable fraction), OSHA PEL Z1 15 mg/m³(total dust)
LD50 Oral rat > 10,000 mg/kg, LC0 inhalation rat: 0.139 mg/l / 4h
LD50 Dermal rat " 5000 mg/kg

PHYSICAL DATA:

Appearance & Odour: White fluffy powder, no odour

Minimum ignition energy: Greater than 10 Joule

Density: 2.2 g/cm³ (20 °C)

Solubility in Water: Negligible

Specific Gravity: (H₂O=1) 2.2 g/ml

Melting Point: 1700 °C

PH.: 3.7-4.7 susp @ 40.0%

Evaporation Rate: N/A

FIRE & EXPLOSION DATA:

Flashpoint & Method: Not determined, will not burn.

Flammable Limits: N/A

Extinguishing Methods: Use water spray or fog, foam. Dry chemical or CO₂

Special Equipment & Procedures: Self contained breathing apparatus and protective clothing. Keep dust to a minimum.

REACTIVITY DATA:

Conditions Contributing to Instability: This product is stable under normal storage conditions. Avoid operations that create dust. Decomposition temp. above 2000 °C

Incompatible Substances: N/A

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur under normal conditions.

HEALTH HAZARDS DATA:

NOTE: Health studies have shown that exposure to chemicals pose potential risks which may vary from person to person. Exposure to liquids, vapours, mists or fumes should be minimized.

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Cabosil - Pg 2

PRINCIPAL HEALTH HAZARDS:

- Skin Contact: Prolonged/repeated exposure may cause irritation and drying or flaking of skin with possible dermatitis.
- Eye Contact: May cause irritation producing tears. May cause slight temporary corneal injury.
- Ingestion: No hazard expected in normal use.
- Inhalation: Temporary discomfort to upper respiratory tract may occur due to mechanical irritation when exposures are above the occupational exposure limit.

FIRST AID PROCEDURES:

- Skin: Avoid direct contact with this chemical, wash with soap and water, seek medical attention if a rash persists
- Eyes: Flush with warm water for 20 minutes, obtain medical attention
- Ingestion: Not applicable: not an expected route of exposure.
- Inhalation: Remove victim to fresh air if ill effects develop. If effects persist, administer oxygen, apply A/R if necessary and seek immediate medical attention.

PREVENTIVE MEASURES:

- Skin: Always apply appropriate barrier cream to exposed skin. Wear impervious gloves (butyl rubber), coveralls and safety footwear.
- Eyes: Chemical proof goggles or full face respirator if vapours cause eye irritation.
- Ingestion: Wash thoroughly before consuming food stuffs.
- Inhalation: Use only in well ventilated areas or use NIOSH approved respiratory protection with organic vapour cartridges.

CONTROL MEASURES & PRECAUTIONS

Keep container tightly closed. Do not consume food, drink or tobacco in work area or material storage areas. Use caution and personal cleanliness to avoid skin and eye contact. Avoid breathing vapours of heated materials. Use paper covering absorbent wipes and suitable disposable containers in work area.

SPILL, LEAK & DISPOSAL METHODS

Take steps to minimize spillage. Sweep up and deposit into a suitable container.

DISPOSAL METHOD

Dispose only in a facility permitted to dispose of hazardous waste by Federal, Provincial and Municipal

SHIPPING INFORMATION

Non-Regulated

The information contained herein is based on data that we believe to be accurate. No warranty either expressed or implied is made. This information is offered solely for your consideration interpretation and information.

Preparation Date: March 8, 1993
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N/A = Not Available