

Material Safety Data Sheet

According to EC directive 2001/58/EC

Product name: Fumed Silica Suspension Page: 1/3
Last revised date: 27-12-2003 Print date: 27-12-2003
Art.-no.: 1040-1050 Template: 1.0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product name: Fumed Silica Suspension
Application: Final polishing Container size: 1000 ml, 5000 ml
Supplier: AKASEL ApS
Vanløse Sand 2
DK-4370 St. Merløse
Tel +45 57 84 05 01
Fax +45 57 84 06 01

2. COMPOSITION/INFORMATION ON INGREDIENTS

Listing of ALL components:

Chemical name:	CAS-No.:	%:	Hazard classification:	Notes:
Silica	7631-86-9	>25	-	-
Water	7732-18-5	>60	-	-
Anti crystallizing agent	56-81-5	<15	-	-

3. HAZARDS IDENTIFICATION

None

4. FIRST-AID MEASURES

Inhalation: Not likely to occur.
Skin contact: Remove contaminated clothes and rinse skin thoroughly with water. Seek medical advice if irritation develops. Launder clothes before reuse
Eye contact: Immediately flush with plenty of water. Remove any contact lenses and open eyelids widely. Seek medical advice if irritation persists
Ingestion: Rinse mouth, give water to drink

5. FIRE-FIGHTING MEASURES

Extinguishing media: All fire-extinguishing media is allowed. Product is not combustible.
Specific hazards: None known
Protective equipment: The usual precautions for handling chemical should be observed.

6. ACCIDENTAL RELEASE MEASURES

Personal Avoid contact with skin and eyes. For personal protection, see point 8.

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precautions:

Environmental Do not discharge into drains, water courses or onto the ground.

precautions:

Methods for cleaning up: Absorb spillage with non-combustible, absorbing material e.g. vermiculite.

7. HANDLING AND STORAGE

Safe handling advice: Avoid contact with skin and eyes.

Technical measures for safe storage: No special precautions.

Storage conditions: Store in closed containers at ambient temperature. 5-35°C is recommended

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory equipment: No specific recommendations.

Hand protection: Wear suitable gloves.

Eye protection: Wear eye/face shield.

Skin protection: Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white, opalescent liquid.

Odour: sweet.

pH: 4-6

Boiling point: 100 °C.

Flash point: not relevant.

Explosive properties: not relevant.

Relative density: 1.12

Solubility: miscible with water.

10. STABILITY AND REACTIVITY

Stability: Stable under normal temperature conditions.

Conditions/materials to avoid: Protect from frost. Protect from Iron

Hazardous decomposition products: None particular known

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11. TOXICOLOGICAL INFORMATION

Acute toxicity: >15000 mg/kg (LD50 rat)
Skin contact: Slightly irritating to skin but not sufficient for classification.
Eye contact: Slightly irritating to eyes.
Ingestion: May irritate.
Specific effects:

Carcinogenicity:
National Toxicology Program (NTP): No.
I.A.R.C. Monographs: No.
OSHA: No.

12. ECOLOGICAL INFORMATION

Mobility: The product is water miscible and may spread in water systems
Degradability: The product is not biodegradable. (Inorganic)
Ecotoxicity:
Fish LC50 (96 hours, Zebrafish): >5000 mg/l
Daphnia EC50 (48 hours, Cerodaphnia): >7600 mg/l
Algae EC50 (48 hours, Selenastrum capricomutum): >440 mg/l

13. DISPOSAL CONSIDERATIONS

Dispose of waste and residues according to agreement with local authorities.

14. TRANSPORT INFORMATION

Not classified as dangerous in any mode of transportation

15. REGULATORY INFORMATION

Labelling: none

16. OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.