

Material Safety Data Sheet

According to EC directive 2001/58/EC

Product name:	Fumed Silica Suspension, Water free	Page:	1/3
Last revised date:	02-01-2004	Print date:	02-01-2004
Art.-no.:	1060-1070	Template:	1.0

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

Product name:	Fumed Silica Suspension, Water free		
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	20	-	-
Ethane-1,2-diol	107-21-1	80	Xn, R22	-

3. HAZARDS IDENTIFICATION

Harmful, Harmful if swallowed

4. FIRST-AID MEASURES

Inhalation:	Take affected persons out into fresh air.
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, call a physician immediately. Note to physician: possible Ethylene glycol poisoning. Antidote treatment: ethanol.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	water mist, quenching powder, carbon dioxide.
Specific hazards:	may be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposing.
Protective equipment:	The usual precautions for handling chemical should be observed.

6. ACCIDENTAL RELEASE MEASURES

Material Safety Data Sheet

According to EC directive 2001/58/EC

Product name:	Fumed Silica Suspension, Water free	Page:	2/3
Last revised date:	02-01-2004	Print date:	02-01-2004
Art.-no.:	1060-1070	Template:	1.0

Personal precautions:	Avoid contact with skin and eyes. For personal protection, see point 8.
Environmental precautions:	Do not discharge into drains, water courses or onto the ground.
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:	-
Boiling point:	198 °C.
Flash point:	111 °C.
Flammable limits:	Lower > 1.8 vol%, Upper <12.8 vol%
Relative density:	1.2 (water=1)
Solubility:	soluble.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal temperature conditions.
Materials to avoid:	Strong oxidizing agents
Hazardous Products of decomposing:	carbon monoxide, carbon dioxide, organic decomposition products:

Material Safety Data Sheet

According to EC directive 2001/58/EC

Product name:	Fumed Silica Suspension, Water free	Page:	3/3
Last revised date:	02-01-2004	Print date:	02-01-2004
Art.-no.:	1060-1070	Template:	1.0

11. TOXICOLOGICAL INFORMATION

Acute toxicity: >4700 mg/kg (LD50 rat)
 Skin contact: Irritating to skin.
 Eye contact: Irritating to eyes.
 Ingestion: experience with humans: lethal dose 100ml.
 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 easy biodegradable. (relating to ethylene-glycol)
 Ecotoxicity:
 Daphnia EC50, Daphnia magna: >10000 mg/l
 Algae EC50, Scenedesmus quadricauda): >10000 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:



R/S sentence(s):

R22: Harmful if swallowed

16. OTHER INFORMATION

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