

# Material Safety Data Sheet

According to EC directive 2001/58/EC

Product name:	Colloidal/Fumed Silica Suspension	Page:	1/3
Last revised date:	27-12-2003	Print date:	27-12-2003
Art.-no.:	1000-1030 and 1080-1090	Template:	1.0

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

Product name:	Colloidal/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	>40	-	-
Water	7732-18-5	>40	-	-
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.

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## 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

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## 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white, opalescent liquid.

Odour: sweet.

pH: 9-10

Boiling point: 100 °C.

Flash point: not relevant.

Explosive properties: not relevant.

Relative density: 1.3

Solubility: miscible with water.

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## 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.

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## 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

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## 13. DISPOSAL CONSIDERATIONS

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

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## 14. TRANSPORT INFORMATION

Not classified as dangerous in any mode of transportation

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## 15. REGULATORY INFORMATION

Labelling: none

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## 16. OTHER INFORMATION

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