

CENOSPHERE

MATERIAL SAFETY DATA SHEET

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

PRODUCT NAME : All Grades of Cenosphere
VA - FS - 312 / VA - PC - 150 / VA - LD - 300
VA - FS - 375 / VA - CFS - 600

RECOMMENDED USE : For Industrial use only

SUPPLIER : Kulin Corporation
703 / Renuka Opp. Balaji Mandir,
Tilak Road, Ghatkopar East
Mumbai - 400 077. INDIA

EMERGENCY TELEPHONE:
+91 (0)22 -21026172 (business hours)
Email : kulincorporation@gmail.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY	CENOSPHERE		
COMPONENT	EC NUMBER	CONCENTRATION%	EC SYMBOL RISK PHRASES
Silica		95%	

For full text of risk phrases, please refer to Section 16

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Not classified as dangerous.

EYE Common irritations include tearing and marked redness. Continued exposure can lead to corneal injuries.

SKIN CONTACT INHALATION Brief contact may cause slight irritation including itching and redness. Excessive concentrations of a nuisance dust may cause coughing, sneezing, nasal irritation, and headaches. Over exposure may cause severe respiratory irritation and trouble breathing. Swallowing may result in gastrointestinal irritation. No unusual hazards are expected.

INGESTION Swallowing may result in gastrointestinal irritation.

PHYSICO-CHEMICAL No unusual hazards are expected.

ENVIRONMENTAL Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

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Factory :

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Village - Wadoda, Bhandara Road
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4. FIRST-AID MEASURES

EYE	Immediately flush with large amounts of running water for 10-15 minutes. If discomfort persists, seek medical attention.
SKIN CONTACT	Wash skin with plenty of soap and water for several minutes. If skin irritation persists, seek medical attention
INHALATION	Remove person to fresh air. Seek medical attention for any breathing difficulty. If swallowed, give water to drink and seek medical advice. Do not induce vomiting.
INGESTION	

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA SPECIAL FIREFIGHTING PROCEDURES FIRE & EXPLOSION HAZARDS HAZARDOUS COMBUSTION PRODUCTS	Alcohol Foam; CO ₂ ; Dry Chemical; Foam; Water Fog Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. This is an Ash product and presents no particular fire or explosion hazard. Carbon monoxide, carbon dioxide.
LOWER EXPLOSION LIMIT	(%) Not applicable
UPPER EXPLOSION LIMIT	(%) Not applicable
AUTOFLAMMABILITY	Not applicable
FLASH POINT	Not applicable

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES	Absorb spillages onto sand, earth or any suitable adsorbent material. Sweep up and shovel into waste Paper or HDPE bag. Wash the spillage area with water. Disposal should be in accordance with local, state or national legislation.
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for safety and environmental precautions, please review entire Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE	-10- 750 °C
HANDLING/STORAGE accumulate in the	Product contains hazardous volatile ingredients which could unvented headspace of drums or bulk storage vessels. Open drums in ventilated area. Avoid breathing vapours. This material should not be spilled, discharged, or flushed into sewers or public waterways.
SENSITIVE TO STATIC ELECTRICITY SPECIAL	No special sensitivity
SENSITIVITY TO MECHANICAL IMPACT	No

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	EXPOSURE LIMITS
Silica	UK EH40OES 8-hour TWA: 10ppm UK EH40 OES 8-hour TWA: 10mg/m ³ UK EH40 OES 15-minute STEL: UK EH40 OES 15-minute STEL:
VENTILATION REQUIREMENTS	General.
EYE PROTECTION REQUIREMENTS	Safety glasses, goggles or face shield to protect against splashing. Personal eye protection should conform to EN 166.
GLOVE REQUIREMENTS	Gloves are recommended due to possible irritation. Gloves should conform to EN 374.
CLOTHING REQUIREMENTS	Uniforms, coveralls, or a lab coat should be worn. Rubber boots and apron if exposure is severe.
CHANGE/REMOVAL OF CLOTHING	Remove contaminated clothing and launder before reuse.
WASH REQUIREMENTS	Wash before eating, drinking, or using toilet facilities.
RESPIRATORY REQUIREMENTS	None, unless there is a risk of inhaling sprayed material. Respirators should conform to EN 136 or EN 140 and be fitted with filters conforming to EN 143.

9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR PREPARATION	Preparation.
PHYSICAL FORM	Solid
COLOUR	Grey / Off White
ODOUR	
ODOUR THRESHOLD	Not available
pH AS IS	8
OXIDIZING PROPERTIES	Not applicable 750
FLASH POINT	°C
MELTING/FREEZING POINT SOLUBILITY IN WATER PARTITION COEFFICIENT	Miscible Not
(n-octanol/water) LOI	Applicable
RELATIVE DENSITY BULK DENSITY	
EVAPORATION RATE VAPOUR PRESSURE	2% 1.4+
(mmHg) VAPOUR DENSITY (air=l)	Not available
VOLATILES AUTOFLAMM ABILITY	2% max Non Flammable

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10. STABILITY AND REACTIVITY

STABILITY	Stable
HAZARDOUS DECOMPOSITION PRODUCTS	None

11. TOXICOLOGICAL INFORMATION

EYE SKIN	Contact with eyes causes redness and discomfort, which is transient. Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.
INHALATION	Unlikely to be hazardous by inhalation because of the low vapour pressure of the material at ambient temperature.
INGESTION	Avoid breathing vapors or mists. Low oral toxicity.

CHRONIC (LONG TERM) EFFECTS OF EXPOSURE

EFFECTS OF CHRONIC EXPOSURE	Although this product has not been tested for chronic effects it is judged as having a low order of toxicity based on component information. Use of good industrial hygiene practices is recommended.
TARGET ORGANS	None known.
RESPIRATORY SENSITIZATION	No.
SKIN SENSITIZATION	No.
POSSIBLE BIRTH DEFECT HAZARD	No.

12. ECOLOGICAL INFORMATION

POTENTIAL EFFECT ON ENVIRONMENT	Contributes to effluent BOD.
ECOTOXICITY AQUATIC TOXICITY MOBILITY	Low but has a BOD contribution. None Established Miscible in water and likely to be transported considerable distances if allowed ingress to water. Not readily biodegradable.
PERSISTENCE AND DEGRADABILITY POTENTIAL TO BIOACCUMULATE	The product has low potential for bioaccumulation.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS	Wastewater containing emulsions must be pretreated before discharge to DS Wastewater containing emulsions must be pretreated before discharge to sewer or open water. Ultra-filtration coagulation/settling or flotation processes are suitable; further details can be provided on request.
EMPTY CONTAINER WARNINGS	Not needed.

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14. TRANSPORT INFORMATION (See also section 9)

IATA CLASSIFICATION	Not classified as dangerous.
IMDG CLASSIFICATION	Not classified as dangerous.
ADR/RID	Not classified as dangerous.

15. REGULATORY INFORMATION

Not classified as dangerous.	
EINECS	All components of this product are listed in EINECS or ELINCS.

16. OTHER INFORMATION

REPLACES VERSION DATED
ORIGINAL DOCUMENT DATED
FOR REGULATORY
INFORMATION, CONTACT

Mr. Kulin Shah

Kulin Corporation

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Tilak Road Ghatkopar (East)
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FULL TEXT OF RISK PHRASES FOR INGREDIENTS INDICATED IN SECTION 2:

	Non-flammable.
Alumino Silica	Hollow Cenospheres of Alumino Silicate Extracted from FLY ASH



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