

HIMSONS PLASTICIZERS PVT. LTD.

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Revision Date May 2008
Product Name HIMSONS SILICA
Other Names PRECIPITATED SILICA
Uses Re-enforcing filler for plastics, carrier, free-flow additive,
Anti- blocking agent, chemical intermediate

Contact Information

Organisation

HIMSONS PLASTICIZERS PVT. LTD.

Location

C-1, 2500/20-21-22A-22B, G.I.D.C. HALOL-389350
DISTRICT: PANCHMAHAL
GUJARAT

Telephone

+91-9825041230

2. HAZARD IDENTIFICATION

NOT Hazardous according to criteria of NOHSC/ASCC.

Risk Phrases No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Chemical Entity	CAS Number	Proportions (%)
	SILICA PRECIPITATED	[7631-86-9]	100

THIS PRODUCT CONTAINS NO
CRYSTALLINE SILICA

(<0.01% below detection limit)

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

Swallowed	Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention.
Eye	Immediately flush eyes with plenty of water holding eyelids open. If irritation persists, seek medical attention.
Skin	Remove contaminated clothing. Wash affected area with plenty of soap and water. If irritation persists, seek medical attention.
Inhaled	Remove victim from exposure to fresh air. If rapid recovery does not occur, seek medical attention.
Advice to Doctor	Treat symptomatically based on individual reactions of patient and judgement of doctor.
Aggravated medical conditions caused by exposure	Health injuries are not known or expected under normal use.

5. FIRE FIGHTING MEASURES

Extinguishing Media	In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions.
Hazards from Combustion Products.	The product itself does not burn. Do not expose to temperatures above 800°C
Special Protective Precautions And Equipment for Fire Fighters	Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.
Flammability Conditions	Product is non-flammable.
Additional Information	
Hazchem Code	N/A

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Personnel involved in the clean up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management Authority. Use spark-proof tools and equipment.

Methods and Materials for Containment and Clean Up

Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and hold for safe disposal. Once pick up is complete, flush spill site with water to eliminate any product residue.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment.

Conditions for Safe Storage (Including Any Incompatibles)

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials including sources of ignition. Protect from moisture and direct sunlight. This product is not classified dangerous according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.

Container Type

HDPE / PP Woven sacks with plastic liner in corrugated boxes(optional)NOTE: Bags should be stacked, blocked, interlocked and limited in height so that they are stable and secure against sliding or collapse. Packing as recommended by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards	Precipitated Silica OSHA PEL: TWA 6mg/m ³ total dust ACGIH: TWA 10mg/m ³ total dust OEL MAK: 4mg/m ³
Biological Limit Values	No biological limit allocated for this product.
Engineering Controls	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Personal Protection	RESPIRATOR: Wear an NIOSH approved effective dust mask. EYES: Wear tight fitting chemical safety goggles. HANDS: Rubber or leather gloves with break through time >8hrs. CLOTHING: Light-weight protective apron and boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white powder/granule
Formula	SiO ₂
Odour	odorless
Vapour Pressure	None mm Hg (1 atmosphere)
Vapour Density	Not applicable.
Boiling Point	Not applicable.
Melting Point	Not applicable.
Solubility in Water	Insoluble
Specific Gravity	2.0 (Water = 1)
Flash Point	Not applicable.
pH	3.0-7.5 (5% suspension)
Lower Explosion Limit	Not applicable.
Upper Explosion Limit	Not applicable.
Ignition Temperature	Not applicable.
Specific Heat Value	Not applicable.
Particle Size	Not applicable.
Flame Propagation/Burning Rate of Solid Materials	Not applicable.
Properties of Materials That May Initiate or Contribute to Fire Intensity	Not applicable.
Potential for Dust Explosion	Not applicable.
Reactions that Release Flammable Gases	Not applicable.
Fast of Intensely Burning Characteristics	Not applicable.
Non-flammables That Could Contribute Unusual Hazards to a Fire	Not applicable.
Release of Invisible Flammable Vapours and Gases	No data available.
Decomposition Temperature	No data available.

10. STABILITY AND REACTIVITY

Chemical Stability	Product is stable under normal conditions of use and storage.
Conditions to Avoid	Avoid excessive heat, dusty conditions, static charges, direct sunlight and temperatures over 800°C.
Incompatible Materials	Incompatible with sources of ignition.
Hazardous Decomposition	
Products	None known.
Hazardous Reactions	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicity Data	Oral LD50 Rat: >5mg/Mg (estimated) IARC Group 3 - Carcinogen city classification not possible from current data.
Health Effects – Acute	
Swallowed	May cause gastro-intestinal irritation.
Eye	Product dust may be irritating to eyes.
Skin	Product dust may be irritating to skin.
Inhaled	May cause irritation of the respiratory tract.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and Degradability	No information available on persistence/degradability for this . Product.
Mobility	Insoluble.
Environmental Fate (Exposure)	Avoid contaminating waterways, drains and sewers.
Bioaccumulative Potential	No information available on bioaccumulation for this product.

13. DISPOSAL CONSIDERATIONS

Disposal	Dispose of in accordance with all local, state and federal regulations.
Special Precautions for Land Fill or Incineration	Can be land filled when in compliance with local regulations.

14. TRANSPORT INFORMATION

UN Number	Not applicable.
Shipping Name	SILICA PRECIPITATED
Dangerous Goods Class	Not applicable.
Subsidiary Risk	Not applicable.
Pack Group	Not applicable.
Precautions for user	No data available
Hazchem Code	N/A

15. REGULATORY INFORMATION

Poisons Schedule	N/A
EPG	N/A
AICS Name	SILICA

16. OTHER INFORMATION

Literature References	No data available.
Sources for Data	No data available.

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