

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Revision Date : May 2014
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

Organization : 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	: Re-enforcing filler for plastics, carrier, free-flow additive, Anti-blocking agent, chemical intermediate
Advice to Doctor	: Treat symptomatically based on individual reactions of patient and judgment 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 & 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.
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 : Precipitated Silica OSHA PEL: TWA 6mg/m³ total dust
ACGIH: TWA

Standards : 10mg/m³ total dust OEL MAK: 4mg/m³

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 : SiO₂

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	
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 & 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 polymerisation 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 maybe irritating to eyes.
Skin	: Product dust maybe 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 & sewers
Bio-accumulative 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

DISCLAIMER

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or Damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.