

SAFETY DATA SHEETS

FUMED SILICA

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Fumed Silica
MANUFACTURER: Incredible Products LLC.
ADDRESS: 1601 McKinley Rd. St. Mary's, OH 45885
INFORMATION PHONE: 567-297-3700
EMERGENCY PHONE: 800-424-9300
REVISION DATE: September 21, 2022

SECTION 2: HAZARDOUS IDENTIFICATION

Classification:

Not classified under the Hazardous Products Regulations (SOR/2015-17)

Skin Irritation- N/A

Eye Irritation- N/A

Respiratory Sensitizer (Solid/Liquid)- N/A

Skin Sensitizer- N/A

Carcinogenicity- N/A

Signal Word: Warning

Hazardous Statements - Health:

H319 - May cause eye irritation

H315 - May cause skin irritation

H317 - May cause an allergic skin reaction

H335 - May be harmful if inhaled

Precautionary Statements - General:

P101 - If medical advice is needed, have a product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statements - Prevention:

P210 - Keep away from heat/sparks/open flames/hot surfaces.

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P284 - wear respiratory protection.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

Precautionary Statements - Response:

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing. And wash it before reuse.

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

Precautionary Statements - Storage:

P405 - Store locked up.

Precautionary Statements - Disposal:

P501 - Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Silica, amorphous	7631-86-9	100

SECTION 4: FIRST AID MEASURES

Inhalation: Remove source of exposure or move the person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Skin Contact: Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard. IF exposed or concerned: Get medical advice/attention.

Eye Contact: Remove source of exposure or move the person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention. Avoid direct contact. Wear chemical protective gloves, if necessary.

Ingestion: Clean mouth with water and drink plenty of water afterwards. Get medical attention if symptoms occur

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media:

N/A

Fire-fighting Procedures: Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from the immediate hazard area if it can be done safely. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Specific Hazards in Case of Fire:

N/A

Special Protective Actions: Wear NIOSH approved self-contained breathing apparatus in positive pressure mode with full-face piece. Boots, gloves (neoprene), goggles, and full protective clothing are also required. Care should always be exercised in dust/mist areas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

Keep unnecessary people away; isolate hazard areas and deny entry. Do not touch or walk through spilled material. Clean up immediately. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Recommended Equipment:

Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions:

Avoid breathing vapors. Avoid contact with skin, eyes or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions:

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

SECTION 7: HANDLING AND STORAGE

General:

Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas.

Ventilation Requirements: Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the

Storage Room Requirements: Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Wear eye protection with side shields or goggles. If additional protection is needed for the entire face, use it in combination with a face shield.

Skin Protection: Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, and dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory Protection:

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Component	Alberta	British Columbia	Ontario TWA/EV	Quebec	ACGIH TLV	OSHA PEL	NIOSH IDLH
Silica, amorphous						(Vacated) TWA: 6 mg/m ³	IDLH: 3000 mg/m ³ TWA: 6 mg/m ³

Legend OSHA - Occupational Safety and Health Administration NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

MELTING POINT/RANGE: 1710 °C / 3110 °F
MOLECULAR FORMULA: O2 SI
EVAPORATION RATE: N/A
DENSITY: 2.2 G/CM3
MOLECULAR WEIGHT: 60.08

SECTION 10: STABILITY AND REACTIVITY

Stability:

This product is stable when properly stored at normal temperature and pressures.
Conditions to Avoid: Incompatible products. Excess heat. Avoid dust formation.

Hazardous Reactions/Polymerization: Does not occur.

Incompatible Materials: Strong oxidizing agents, Strong acids, Strong bases

Hazardous Decomposition Products: Silicon dioxide

Hazardous Decomposition Products:
Highly unlikely under normal industrial use.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Component Information

Component

Silica, amorphous

LD50 Oral

>5000 mg/kg (Rat)

LD50 Dermal

>2000 mg/kg (Rabbit)

LC50 Inhalation

>2.2 mg/L (Rat) 4 h

Toxicologically Synergistic

No information available

Products

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation

Irritating to eyes, respiratory system and skin

Sensitization

No information available

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Silica, amorphous	7631-86-9	Not Listed				

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, both acute and delayed No information available

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Do not empty into drains.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Silica, amorphous	EC50: 440 mg/L/72h	LC50: 5000 mg/L/96 h	Not listed	EC50: 7600 mg/L/48h

Persistence and Degradability Insoluble in water

Bioaccumulation/ Accumulation No information available.

Mobility Is not likely mobile in the environment due its low water solubility

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT Information: Not regulated
IMDG Information: Not regulated
IATA Information: Not regulated

SECTION 15: REGULATORY INFORMATION

International Inventories

Component	DSL	NDSL	TSCA	EINECS	ELINCS	NLP
Silica, amorphous	X	-	X	231-545-4	-	
PICCS	ENCS	AICS	IECSC	KECL		
X	X	X	X	KE-31032		

Canada

SDS in compliance with provisions of information as set out in Canadian Standard- Part 4, Schedule 1 and 2 of the Hazardous Products Regulations (HPR) and meets the requirements of the HPR (Paragraph 13(1)(a) of the Hazardous Products Act (HPA)

SECTION 16: OTHER INFORMATION

DISCLAIMER

The information contained herein is based on the data available and is believed to be accurate, however, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product