

SAFETY DATA SHEET

SECTION 1 – MANUFACTURER/PRODUCT IDENTIFICATION:

PRODUCT IDENTITY: HOTLINE® COLLOIDAL SILICA (CAT. # 48501)

Manufacturer's (Distributor's) Name:

Creative Craftsmen Co., Inc.
27625 Diehl Road
Warrenville, Illinois 60555-3838

Emergency Telephone Number:

888- 215-4878

Information Telephone Number:

630-836-1353 Toll Free: 800-323-5668

Trade Name: HOTLINE® - COLLOIDAL SILICA

Product Type: Insulation

Chemical Family: Amorphous Silica

SECTION 2 – HAZARDS IDENTIFICATION:

SECTION 2.1: HAZARD CLASSIFICATION:

WARNING! THIS PRODUCT IS AN IRRITANT TO THE EYES, SKIN AND RESPIRATORY TRACT. HARMFUL IF SWALLOWED.



Causes skin irritation
Causes eye irritation
Causes respiratory tract irritation
Harmful if swallowed

PRECAUTIONARY INFORMATION:

CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION. CAUSES RESPIRATORY TRACT IRRITATION. HARMFUL IF SWALLOWED.

Prevent material from becoming airborne. Avoid the generation and inhalation of dust and mist. Prevent eye contact and prolonged skin contact. Utilize appropriate protective clothing and eye and skin protection. Wear appropriate respiratory protection if dust/mist levels exceed exposure limits. Do not eat, drink or use tobacco products when there is potential exposure to this material. Wash hands thoroughly after handling.

SECTION 2.2: LABEL INFORMATION:

PRODUCT IDENTITY: HOTLINE® COLLOIDAL SILICA (CAT. # 48501)

WARNING



Causes skin irritation
Causes eye irritation
Causes respiratory tract irritation
Harmful if swallowed

HAZARD STATEMENT: Causes eye irritation. Causes skin irritation. Causes respiratory irritation. Harmful if swallowed.

CAUTION: Avoid generating and breathing dust/mist. Use with adequate ventilation. Wear appropriate respiratory protection if dust/mist levels exceed exposure limits. Avoid contact with skin and eyes. Use eye and skin protection if there is prolonged contact. Thoroughly wash and rinse skin after use. Do not eat, drink or smoke when using product. Store in a cool dark place. Keep away from children and pets.

EMERGENCY INFORMATION:

Eye Contact: Rinse with warm potable water for 15 minutes. Remove contact lenses, if present, and continue rinsing.

Skin Contact: Remove contaminated clothing and wash affected area.

Inhalation: Exit to fresh air. Support breathing as needed.

Ingestion: Rinse mouth. Loosen tight clothing. Do not induce vomiting.

Contact emergency personnel if medical issues need further treatment.

See additional information in the SDS for further details regarding the safe use of this product.

Health = 1

Hazardous Material Information System

Creative Craftsmen Co., Inc.

Flammability = 0

27625 Diehl Road

Physical Hazard = 0

PPE = E means safety glasses, protective gloves and appropriate respirator.

Warrenville, Illinois 60555-3838

PPE = E

800-323-5668

SECTION 3 – HAZARDOUS INGREDIENTS INFORMATION:

The information contained herein is believed to be correct and reliable. However, no warranty is expressed or implied regarding the accuracy of this data, and none is made as to the marketability of the material or its fitness for any purpose. The consumer accepts the responsibility of and the conditions for liability of use of the product.

This product contains material that may be hazardous when airborne as a particulate.

HAZARDOUS COMPONENTS^a:**(Specific Chemical Identity;**

Common Name)	CAS NUMBER^b	SARA^c	OSHA PEL^{d,e}	ACGIH TLV^{e,f}	NOTES	PERCENT^g
Silica (Amorphous)	7631-86-9		20 mmpcf or 30 mg/m ³ /%SiO ₂	NE		27-35
Water	7732-18-5		NE	NE		65-73

Notes:

- The term "Hazardous" is defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200) and does not necessarily imply the existence of any hazard. All components at concentrations equal to or greater than 1.0 percent (0.1 percent if a carcinogen) are listed in this section, according to OSHA 29 CFR 1910.1200.
- The CAS Number represents the Chemical Abstract Service Number assigned to each chemical.
- An asterisk (*) indicates a toxic chemical subject to the EPA's reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and 40 CFR Part 372.
- These permissible exposure limits (PELs) are based on OSHA's rulemaking (29 CFR 1910 Subpart Z) and are the current regulatory limits, unless otherwise noted. R = Respirable Particulate, T = Total Particulate.
- These values are reported as fibers per cubic centimeter of air (f/cc).
- These values are based on the American Conference of Governmental Industrial Hygienists (ACGIH) 2018 TLVs.
- Approximate percent by weight values.

SECTION 4 – FIRST AID PROCEDURES:

Protection of Emergency Response Personnel: Use properly trained emergency response personnel. There may be a danger to person providing mouth-to-mouth. Use gloves and wash contaminated clothing before touching.

Inhalation: Exit to fresh air. Support breathing as needed. If condition persists, seek medical attention.

Eyes: Remove contact lenses if present. Hold eyelids apart and flush eyes with plenty of warm water for at least 15 minutes. Do not rub eyes. Seek medical attention if irritation persists.

Skin: Remove contaminated clothing. Gently wash affected area with soap and water for at least 15 minutes. If irritation develops, seek medical attention. Do not rub or scratch skin. Decontaminate clothing before reuse.

Ingestion: Do not induce vomiting. Immediately rinse mouth with plenty of water. Loosen clothing. Never give anything by mouth to an unconscious person. Seek medical attention if needed.

Note to Physician: Potential dust/mist exposure is of concern. Skin and respiratory effects are the result of temporary, mild mechanical irritation. Exposure does not result in allergic manifestations.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT (Method Used): NA This product is nonflammable and will not support combustion.

FLAMMABLE LIMITS: **LEL:** NA **UEL:** NA

AUTOIGNITION TEMPERATURE: NA

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire including carbon dioxide, dry chemical, foam or water mist.

SPECIAL FIRE FIGHTING PROCEDURES: Wear appropriate protection for the surrounding fire. When fighting chemical fires wear self-contained breathing apparatus and full protective chemical resistant clothing. Do not release runoff to sewers and waterways.

UNUSUAL FIRE AND EXPLOSION HAZARDS: When subjected to heat and flames, toxic gases such as CO and CO₂ may be released. Can explode when wet and heated with magnesium.

SECTION 6 – ACCIDENTAL RELEASE MEASURES:**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Caution: This material is a liquid and is slippery on surfaces. Avoid stepping in spilled material. Do not leave spills on floors unattended. Barricade spill area. Minimize airborne dust. Do use compressed air or dry sweeping to clean.

SMALL SPILLS: Contain small spills using appropriate personal protective equipment. Dilute with water and mop up or absorb with an inert dry material. Use appropriate containment materials including sand or other non-combustible absorbents. Place absorbents into appropriate containers for disposal. Thoroughly clean area with soap and water.

Properly dispose of contaminated material. For dry material use wet methods and HEPA vacuum.

SECTION 6 – ACCIDENTAL RELEASE MEASURES:

LARGE SPILLS (Cont.): If spill is uncontrolled contact spill response personnel. Where product may become airborne, utilize appropriate personal protective equipment. Stop the leak if without risk. Evacuate personnel to safe areas. Contain the spill using appropriate spill containment materials including absorbents such as sand, kitty litter or spill kit materials and cloth towels. Do not touch spilled material. Prevent entry into sewers, environmental or confined areas; dike if needed.

SPILL CLEANUP: Clean up using wet methods and a HEPA vacuum. Rinse clean floors thoroughly. Prevent the spread of the material and keep dust levels to a minimum. Properly dispose of contaminated material.

Make sure that no slip hazard exists once material has been cleaned up.

Keep spilled material and waste out of sewers and waterways. If an emergency exists, contact spill response personnel.

CHEMTREC Phone Number: 800-424-9300

CERCLA Reportable Quantity: NA

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE:**PRECAUTIONS TO BE TAKEN FOR SAFE HANDLING:**

Normal use of product should not release respirable particulate. Removing or disturbing applied product can release particulate. Avoid breathing dust. Handle so as not to create airborne dust. Use hand tools when possible. Limit the use of power tools unless used with local exhaust ventilation. Use wet methods including water mist. Use with local exhaust ventilation. Utilize appropriate NIOSH-approved respirator if airborne dust exposure is above PEL. Avoid unnecessary eye and prolonged skin contact. Wash thoroughly after handling. Use a surfactant to improve the wetting process. Use only enough water to wet material.

Clean Up: Do not use compressed air or dry sweep. Use dust-suppression cleaning methods such as wet sweeping or HEPA vacuuming. Use dust suppression compounds for light cleanup.

PRECAUTIONS TO BE DURING REPAIR AND MAINTENANCE: Not Applicable

STORAGE PRECAUTIONS: Keep container closed. Keep container in a cool, well-ventilated area. Keep work surfaces clean. Empty packaging may contain residue. Do not reuse empty containers. Keep out of reach of children.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and/or federal regulations.

OTHER PRECAUTIONS: Keep dust levels to a minimum

SECTION 8– CONTROL MEASURES/PERSONAL PROTECTION:**VENTILATION:**

Local Exhaust: If necessary, use enclosures with local exhaust ventilation to keep exposures below PELs.

Mechanical: If necessary to keep dust levels below PELs. Recommended for confined areas and when handling dry material during grinding and sanding.

Special: Down draft workstations and emission controlling tools.

RESPIRATORY PROTECTION (Specify Type): Under normal conditions of use, respiratory protection is not needed. If exposure to airborne contaminants above the applicable exposure limit is likely, use a NIOSH approved N-95 particulate respirator (dust mask), or a half-mask or full-face piece air-purifying respirator (APR) equipped with filters approved for particulate (P-100). APRs do not protect workers in oxygen deficient atmospheres.

PROTECTIVE GLOVES: Wear protective gloves when skin contact is likely.

EYE PROTECTION: Safety glasses with side shields. Do not wear contact lenses unless use with chemical goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: When excessive skin contact is possible use aprons and other clothing. Do not allow contaminated clothing to be taken home. Vacuum contaminated clothing before leaving work area.

SAFETY STATIONS: Make available in the work area emergency eyewash stations, safety/quick-drench showers and washing facilities.

WORK/HYGIENIC PRACTICES: Avoid skin and eye contact. Avoid breathing dust/mist. Practice good personal hygiene. Do not eat, drink, smoke, or apply cosmetics in work areas. Wash face and hands prior to eating, drinking or other hand-to-mouth activities. Launder contaminated clothing before reuse.

SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT:	100°C (212°F)	VAPOR DENSITY (Air = 1)	1.0
MELTING POINT:	1760°C (3200°F)	VAPOR PRESSURE (mm Hg):	17.5 @ 20°C
SPECIFIC GRAVITY:	2.5 -2.75 (H ₂ O = 1)	EVAPORATION RATE	
BULK DENSITY:	1.3	(Butyl Acetate = 1):	NA
pH:	10.1-10.5	Solubility:	Insoluble in water and alcohol
APPEARANCE AND ODOR:	Pink liquid. No odor.		

SECTION 10 – STABILITY AND REACTIVITY:

STABILITY:	Stable:	X	Unstable:	_____
Conditions to Avoid:	None			
INCOMPATIBILITY (Materials to Avoid):	None			
HAZARDOUS POLYMERIZATION:	May Occur:	_____	Will Not Occur:	X
Conditions to Avoid:	None known.			
DECOMPOSITION PRODUCTS:	None known under normal handling and storage conditions.			

SECTION 11 – HEALTH HAZARD DATA:

ROUTE(S) OF ENTRY:	Skin/Eye Contact:	Skin Absorption:	Ingestion:
Inhalation: Yes	Yes	No	Unlikely

HEALTH HAZARDS (Acute and Chronic):

Acute (Short-Term) Effects: NIOSH - LD50s and LC50s: Oral LD50 (rat) > 5,000 mg/kg

Eye contact: Causes eye irritation.

Skin contact: Causes skin irritation.

Inhalation: Inhalation of dust/mist causes respiratory tract irritation. Repeated and/or prolonged inhalation of dust/mist may cause impaired lung function. Smoking aggravates the effects of excessive dust/mist exposure.

Ingestion: Not likely during routine work activities. Can cause irritation of the gastrointestinal tract.

Systemic Effects: None known.

Chronic (Long-Term) Effects:

Smoking aggravates the effects of excessive exposure to particulate.

REPRODUCTIVE OR DEVELOPMENTAL EFFECTS: No ingredient is listed on the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) list of chemicals known to cause reproductive effects.

CARCINOGENICITY: ACGIH: No IARC: No NTP: No OSHA REGULATED: No

* This product does not contain any ingredient that is designated as a carcinogen by the American Conference of Governmental Industrial Hygienist (ACGIH), the National Toxicology Program (NTP) Annual Report on Carcinogens, by the International Agency for Research on Cancer (IARC) and by OSHA.

CALIFORNIA PROP 65 WARNING STATEMENT: This product does not contain chemicals that are known to the State of California to cause cancer, birth defects and other reproductive harm.

SIGNS AND SYMPTOMS OF EXPOSURE: Skin, eye and respiratory tract irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Individuals with upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema, and asthma. Persons who smoke are at a significantly higher risk of developing lung-related problems than people who do not smoke. Dermatitis, allergies, or chronic lung disease may be aggravated by exposure.

Amorphous Silica Notes:

The amorphous silica contained in this product may devitrify and form Cristobalite (a form of crystalline silica) when used at temperatures above 1000°C for sustained periods. Chronic exposure to respirable crystalline silica may lead to lung disease. IARC has concluded that: "Crystalline silica inhaled in the form of quartz or Cristobalite from occupational sources is carcinogenic to humans (Group 1)." [IARC Monograph 68, June 1997, p. 210-211]. The Occupational Safety and Health Administration (OSHA) has adopted a permissible exposure limit (PEL) for respirable Cristobalite at 0.05 mg/m3. When needed, the use of proper exposure controls and respiratory is required.

SECTION 12 – ECOLOGICAL INFORMATION:

Toxicity: No know toxicity to aquatic life. These products are insoluble materials that remain stable overtime. They are chemically identical to organic compounds found in the soil and sediment in the natural environment.

SECTION 13 – DISPOSAL:

WASTE DISPOSAL METHOD: Dispose of product and containers in accordance with local, state, federal and international regulations. This material is not classified as a hazardous waste and is not regulated under RCRA. Do not allow product into sewer systems. Empty containers may contain residue. Do not reuse empty containers.

SECTION 14 – TRANSPORTATION DATA:

DOT PROPER SHIPPING NAME:	Not regulated by DOT or Canada.
UN HAZARD CLASS:	NA
UN NUMBER:	NA
DOT LABEL:	NA
PACKING GROUP	NA
ERG CODE	NA
CANADA TDG HAZARD CLASS & PIN	NA
IATA-DGR	NA
IMDG-Code	NA
Annex II MARPOL 73/78 and IBC Code	NA

SECTION 15 – REGULATORY INFORMATION:

OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200

OSHA PELs 29 CFR 1910.1000

EPA TSCA INVENTORY: None

EPA SARA 311/312: Acute and Chronic

EPA SARA 302/313: Not Reportable

California Prop 65: NA

Various State Right-To-Know And Hazcom Programs: NA

CANADIAN WHMIS & DSL: Properly Listed.

SECTION 16 – OTHER INFORMATION:

This Safety Data Sheet (SDS) was prepared to comply with the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS). The SDS also complies with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Controlled Products Regulation. SDS warnings/labeling were prepared with in accordance with California Proposition 65.

The information contained within this SDS is based on data believed to be correct and reliable. All information appearing within this SDS is based upon data obtained from suppliers of the raw materials. While the information is believed to be accurate, Creative Craftsmen Co. Inc. makes no representation as to its accuracy of sufficiency. No guarantee or warranty is expressed or implied regarding the accuracy of this data and information contained herein. Creative Craftsmen Co. Inc. expressly disclaims all expressed or implied warranties for merchantability and fitness for a particular purpose, with respect to the product or information provided herein.

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Provide employees training regarding the safe handling and use of this product including how to read and understand the information contained in SDSs.

Abbreviations:

ACGIH	American Industrial Hygiene Association	OSHA	Occupational Safety and Health Administration
CERCL	Comprehensive Environmental Response, Compensation and Liability Act of 1980	PEL	Permissible Exposure Limit
CAS#	Chemical Abstract Number	PPE	Personal Protective Equipment
CFR	Code of Federal Regulations	RCRA	Resource Conservation and Recovery Act
DOT	Department of Transportation	RQ	Reportable Quantity
EPA	Environmental Protection Agency	SDS	Safety Data Sheet
HMIS	Hazardous Material Information System	STEL	Short-Term Exposure Limit
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IDLH	Immediately Dangerous to Life and Health	TWA	Time-Weighted Average
LEL	Lower Explosive Limit	UEL	Upper Explosive Limit
NA	Not Applicable	UN	United Nations
NTP	National Toxicology Program	WHMIS	Workplace Hazardous Materials Information System

Date Prepared: 11/30/18 **Revision:**