

SAFETY DATA SHEET

SECTION 1 – MANUFACTURER/PRODUCT IDENTIFICATION:

PRODUCT IDENTITY: HOTLINE® FIBER HARDENER (CAT. # 485405)

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® - Fiber Hardener

Product Type: Refractory Bonding Binder

Chemical Family: Alumina

SECTION 2 – HAZARDS IDENTIFICATION:

SECTION 2.1: HAZARD CLASSIFICATION:

WARNING! THIS PRODUCT IS AN IRRITANT TO THE EYES AND SKIN. DRIED MATERIAL CAUSES RESPIRATORY TRACT IRRITATION.



Causes mild skin irritation

Causes mild eye irritation

Causes respiratory tract irritation when airborne as mist or dried material

PRECAUTIONARY INFORMATION:

CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION. MIST OR DRIED MATERIAL CAUSES RESPIRATORY TRACT IRRITATION.

Prevent eye contact and prolonged skin contact. Utilize appropriate protective clothing and eye and skin protection. Do not eat, drink or use tobacco products when there is potential exposure to this material. Wash hands thoroughly after use.

SECTION 2.2: LABEL INFORMATION:

PRODUCT IDENTITY: HOTLINE® FIBER HARDENER (CAT. # 485405)

WARNING



Causes mild skin irritation

Causes mild eye irritation

Causes respiratory tract irritation when airborne as mist or dried material

HAZARD STATEMENT: Causes mild eye and skin irritation. Mist or dried material causes respiratory tract irritation.

CAUTION: Use with adequate ventilation. Avoid contact with skin and eyes. Use eye protection. Use skin protection. Avoid generating and breathing dust and mist. Thoroughly wash and rinse skin after use. Do not eat, drink or smoke when using product. If ingested seek immediate medical attention. 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. Wash affected area with potable water.

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

Ingestion: Rinse mouth. Loosen tight-fitting 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 = B means safety glasses and protective.

Warrenville, Illinois 60555-3838

PPE = B

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.

SECTION 3 – HAZARDOUS INGREDIENTS INFORMATION (Cont.):**HAZARDOUS COMPONENTS^a:**

(Specific Chemical Identity;

Common Name)	CAS NUMBER ^b	SARA ^c	OSHA PEL ^{d,e}	ACGIH TLV ^{e,f}	NOTES	PERCENT ^g
Aluminum Oxide Hydroxide	24623-77-6		5 mg/m ³ 15 mg/m ³	---	Respirable Particulate Total Particulate	10-30
Proprietary Mineral Acid ^h	1210-18-5		2 mg/m ³	2 ppm		<1
Water	7732-18-5		NE	NE		Balance

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.
- The ingredient identity and percent (concentration) have been withheld as trade secrets.

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: If product is misted or dries and forms dust there may be respiratory tract irritation. 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. Seek medical attention if irritation persists.

Skin: Remove contaminated clothing and wash affected area with plenty of soap and water for at least 15 minutes. If irritation develops, seek medical attention. 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: Treat symptomatically. Skin condition may be aggravated by skin contact.

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.**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:** None**SECTION 6 – ACCIDENTAL RELEASE MEASURES:****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Caution: This material is a milky liquid and is slippery on surfaces. Do not leave spills on floors unattended. Barricade spill area until cleanup is complete. Avoid stepping in spilled material. Do not flush to drain.

SMALL SPILLS: Use appropriate personal protective equipment. Stop leak if safe to do so. Contain spill using appropriate containment materials including sand, vermiculite or other non-combustible absorbents. Place contaminated absorbents into appropriate containers for disposal. Thoroughly clean area with soap and water. Properly dispose of contaminated material. Do not return spilled material to container for reuse. Recover and dispose of wastewater.**LARGE SPILLS:** If spill is uncontrolled contact spill response personnel. Stop the leak if without risk. Evacuate personnel to safe areas. Contain the spill using appropriate spill containment materials including absorbents such as sand, vermiculite or spill kit materials. Do not touch spilled material. Prevent entry into sewers and waterways; dike if needed.

SECTION 6 – ACCIDENTAL RELEASE MEASURES:

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

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

CHEMTREC Phone Number: 800-424-9300; National Response Center: 800-424-8802

CERCLA Reportable Quantity: None

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

Avoid generating and breathing mist and dust. Removing or disturbing applied product can release particulate. Use with local exhaust ventilation. Use wet methods including water mist. Utilize appropriate NIOSH-approved respirator if airborne dust/mist exposure is above PEL. Avoid direct eye and prolonged skin contact. Wash thoroughly after handling. Wash promptly to remove splashes. Do not store or use food, beverages, tobacco products and cosmetics in areas where material is used and stored.

PRECAUTIONS TO BE DURING REPAIR AND MAINTENANCE: Not Applicable

STORAGE PRECAUTIONS: Store in plastic or stainless steel. Do not store in light metal containers (aluminum). Store in tightly closed containers. Product can freeze. If frozen, thaw, remix and test before reusing. Protect from temperatures above 66°C (150°F). Store in a dry, well-ventilated area away from incompatible materials. Keep work surfaces clean. Do not reuse empty containers for food, clothing or for personal consumption. Keep out of reach of children.

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

OTHER PRECAUTIONS: None

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

Local Exhaust: Measures 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: None

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 impervious gloves when skin contact is likely.

EYE PROTECTION: Chemical safety glasses with side shields or splash proof goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: When excessive skin contact is possible use aprons and other impervious clothing to protect skin. Use chemical protective boots.

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 generating and 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.

Equipment in contact with material should be rinsed prior to repair and maintenance.

SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT:	>100°C (212°F)	VAPOR DENSITY (Air = 1)	ND
MELTING POINT:	0°C (32°F)	VAPOR PRESSURE (mm Hg):	Same as water
SPECIFIC GRAVITY:	2.5 -2.75 (H ₂ O = 1)	EVAPORATION RATE (Butyl Acetate = 1):	ND
BULK DENSITY:	1.1-1.3	Solubility:	Miscible
pH:	3.0 – 6.0		

APPEARANCE AND ODOR: Milky liquid. No odor.

SECTION 10 – STABILITY AND REACTIVITY:

STABILITY:	Stable:	<input checked="" type="checkbox"/>	Unstable:	<input type="checkbox"/>
Conditions to Avoid:	None			
INCOMPATIBILITY (Materials to Avoid):	None known.			
HAZARDOUS POLYMERIZATION:	May Occur:	<input type="checkbox"/>	Will Not Occur:	<input checked="" type="checkbox"/>
Conditions to Avoid:	Freezing temperatures and temps above 150°F (66°C)			
DECOMPOSITION PRODUCTS:	None known under normal handling and storage conditions.			

SECTION 11 – HEALTH HAZARD DATA:

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

HEALTH HAZARDS (Acute and Chronic):**Acute (Short-Term) Effects:**

Eye contact: Causes mild eye irritation.

Skin contact: Causes mild skin irritation.

Inhalation: Inhalation not likely. If product is misted or dries and becomes airborne it may cause respiratory tract irritation.

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

Systemic Effects: None known.

Acute Oral Toxicity	LD50 (rat) >5000 mg/kg
Acute Dermal Toxicity	No Data
Acute Eye Toxicity	No Data

Chronic (Long-Term) Effects:

No chronic health effects noted. 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:

Existing skin conditions.

SECTION 12 – ECOLOGICAL INFORMATION:

Toxicity:	No data available
Biodegradability:	Not relevant, inorganic product
Bioaccumulation:	No data available
Mobility in Soil:	Water and sediment are ultimate destination

SECTION 13 – DISPOSAL:

WASTE DISPOSAL METHOD: Dispose of product and containers at an approved waste-handling site for recycling or disposal 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. Decontaminate equipment or empty containers immediately after use. Do not reuse empty containers.

SECTION 14 – TRANSPORTATION DATA:

DOT PROPER SHIPPING NAME:	Not regulated by DOT.
UN HAZARD CLASS:	NA
UN NUMBER:	NA
DOT LABEL:	NA
PACKING GROUP	NA
ERG CODE	NA

SECTION 15 – REGULATORY INFORMATION:

OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200

OSHA PELs 29 CFR 1910.1000

EPA TSCA INVENTORY: Yes

EPA SARA 311/312: Acute

EPA SARA 302/313: Not Reportable

EPCRA: CERCLA: Not Applicable

California Prop 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

VARIOUS STATE RIGHT-TO-KNOW AND HAZCOM PROGRAMS: NA

EPA WASTE DISPOSAL REGULATIONS

CANADIAN DOMESTIC SUBSTANCE LIST: Yes

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
CERCLA	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		

Date Prepared: 12/18/18 **Revision:**