

SAFETY DATA SHEET

SECTION 1 – MANUFACTURER/PRODUCT IDENTIFICATION:

PRODUCT IDENTITY: HOTLINE® REFRACTORY FIBER ROPE (CAT. # 48M011)

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® - Refractory Fiber Rope **Product Type:** High-Temp Insulation **Chemical Family:** Aluminosilicate

SECTION 2 – HAZARDS IDENTIFICATION:

SECTION 2.1: HAZARD CLASSIFICATION:

DANGER! THIS PRODUCT IS A CARCINOGEN. THIS PRODUCT IS AN IRRITANT TO THE EYES, SKIN AND RESPIRATORY TRACT



Causes Lung Cancer,
Contains Refractory Ceramic Fibers



Causes skin irritation
Causes eye irritation
Causes respiratory tract irritation

PRECAUTIONARY INFORMATION:

CAUSES LUNG CANCER. CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION. CAUSES RESPIRATORY TRACT IRRITATION. DO NOT SPRAY DRY PRODUCT.

Prevent material from becoming airborne. Avoid the generation and inhalation of dust. Prevent eye contact and prolonged skin contact. Utilize appropriate protective clothing. Use safety glasses or goggles, gloves and skin protection. Wear appropriate respiratory protection if dust 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® REFRACTORY FIBER ROPE (CAT. # 48M011)


DANGER! Causes Lung Cancer; Contains Refractory Ceramic Fibers



Causes Lung Cancer,
Contains Refractory Ceramic Fibers



Causes skin irritation
Causes eye irritation
Causes upper respiratory tract irritation

CALIFORNIA PROP 65 WARNING STATEMENT:  **WARNING:** This product can expose you to chemicals, including Refractory Ceramic Fibers (RCFs), which are known to the State of California to cause cancer.

See www.P65Warnings.ca.com for additional information.

HAZARD STATEMENT: This product contains an ingredient that is known to cause cancer. RCFs cause lung cancer. Causes eye irritation. Causes skin irritation. Causes respiratory irritation.

CAUTION: Prevent material from becoming airborne. Avoid generating and breathing dust. Do not spray dried product. Use with adequate ventilation. Wear appropriate respiratory protection if dust levels exceed exposure limits. Avoid contact with skin and eyes. Use safety glasses/goggles and skin protection if there is prolonged contact. Thoroughly wash and rinse skin after use. Do not eat, drink or smoke when working with product. Keep away from children and pets.

EMERGENCY INFORMATION:

Eye Contact: Rinse with warm potable water for 15 minutes.

Skin Contact: Remove contaminated clothing and wash affected area.

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

Ingestion: Rinse mouth. Drink milk or water if conscious. 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 = 2

Flammability = 0

Physical Hazard = 0

PPE = E

Hazardous Material Information System
PPE = E means safety glasses, protective gloves and appropriate respirator.

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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 ^f	NOTES ^g	PERCENT ^h
Refractory Ceramic Fibers (RCF ⁱ) (Aluminosilicate)	142844-00-6	NA	5 mg/m ³ (R) 15 mg/m ³ (T)	0.2 f/cc		80-85
Continuous Filament Fiberglass	65997-17-3	NA	1 f/cc	1 f/cc		15-20
Rayon/Cellulose Fiber	61788-77-0	NA	5 mg/m ³ (R) 15 mg/m ³ (T)	NE ^j		2-4

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.
- Values are reported as fibers per cubic centimeter of air (f/cc) or milligrams of contaminant per cubic meter of air (mg/m³).
- These values are based on the American Conference of Governmental Industrial Hygienists (ACGIH) 2018 TLVs.
- This PEL is established by the State of California.
- Approximate percent by weight values.
- RCF is also called ceramic fiber, Alumino Silicate Wool (ASW), Synthetic Vitreous Fiber (SVF), Man-Made Vitreous Fiber (MMVF), Man-Made Mineral Fiber (MMMMF) and High-Temperature Insulation Wool (HTIW).
- NE = Not Established: No PEL or TLV has been established for this component.

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. 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:	Potential dust exposure is of concern. Product contains RCF. Skin and respiratory effects are the result of mild mechanical irritation. Fiber exposure does not result in allergic manifestation.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT (Method Used):	NA	This product is nonflammable and will not support combustion. Significant airborne concentrations of dust can create flammable/explosive conditions.
FLAMMABLE LIMITS:	LEL:	NA
AUTOIGNITION TEMPERATURE:	UEL:	NA
EXTINGUISHING MEDIA:		Use extinguishing media appropriate for surrounding fire including carbon dioxide, dry chemical, foam, halon or water mist.
SPECIAL FIRE FIGHTING PROCEDURES:		Wear appropriate protection for the surrounding fire. When fighting chemical fires wear SCBA and full protective chemical resistant clothing. Do not release runoff to sewers and waterways. Cool containers with water spray until well after fire is out.
UNUSUAL FIRE AND EXPLOSION HAZARDS:		When subjected to heat and flames, toxic gases such as CO, CO ₂ , nitrogen oxides, aromatic and aliphatic hydrocarbons may be released. Provide adequate ventilation to control vapors from the binder.

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

This material is a fiber rope. Spilling hazardous materials is not possible.

Caution: Avoid creating airborne dust. Utilize appropriate respiratory protection when exposed to airborne fibers. Dust suppressing cleaning methods such as wet sweeping or vacuuming should be used to clean the work area. Use a HEPA vacuuming. Compressed air or dry sweeping should not be used for cleaning.

CERCLA Reportable Quantity: Man-made fiber (MMF) is listed though no reportable quantity is designated.

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

Handle so as not to create airborne dust. Avoid breathing dust. Utilize appropriate NIOSH-approved respirator if airborne dust exposure is above PEL. Avoid unnecessary eye and prolonged skin contact. Wash thoroughly after handling.

PRECAUTIONS TO BE DURING REPAIR AND MAINTENANCE: Not Applicable

OTHER PRECAUTIONS: Limit the use of power tools. Use hand tools to minimize the generation of dust. Keep work surfaces clean. Empty containers may contain residue. 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: 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: Point of generation dust collection, down draft workstations and emission control.

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 chemical-resistant gloves when skin contact is likely.

EYE PROTECTION: Safety glasses with side shields or goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use aprons and other clothing to protect skin.

SAFETY STATIONS: Provide 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. Do not allow employees to take contaminated clothing home. Vacuum contaminated clothing before leaving the work area. Launder contaminated clothing before reuse.

SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT:	ND	VAPOR DENSITY (Air = 1)	NA
MELTING POINT:	1760°C (3200°F)	VAPOR PRESSURE (mm Hg):	NA
SPECIFIC GRAVITY:	ND	EVAPORATION RATE	
Bulk Density:	2.5-2.75	(Butyl Acetate = 1):	NA
pH:	NA	Solubility:	Insoluble

APPEARANCE AND ODOR: White solid fibrous wool. No odor.

SECTION 10 – STABILITY AND REACTIVITY:

STABILITY:	Stable:	X	Unstable:	_____
Conditions to Avoid:	None			
INCOMPATIBILITY (Materials to Avoid):	None known			
HAZARDOUS POLYMERIZATION:	May Occur:	_____	Will Not Occur:	X
Conditions to Avoid:	None known			
DECOMPOSITION PRODUCTS:	None known			

SECTION 11 – HEALTH HAZARD DATA:**ROUTE(S) OF ENTRY:**

Inhalation: Yes

Skin/Eye

Contact: Yes

Skin Absorption: No


Ingestion: Unlikely

HEALTH HAZARDS (Acute and Chronic):**Acute (Short-Term) Effects:**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.Systemic Effects: None known.**Chronic (Long-Term) Effects:**

Refractory Ceramic Fibers (RCF) is considered a lung toxin. Repeated and prolonged inhalation of dust and mist may cause impaired lung function. Smoking aggravates the effects of excessive exposure to particulate. Long-term overexposure to particulate containing RCFs may cause fibrosis and lung cancer. Long-term overexposure to particulate containing RCFs may cause pneumoconiosis.

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 Yes IARC: Yes NTP: Yes OSHA: Yes

* The ACGIH, IARC, the NTP and OSHA list refractory Ceramic Fiber as a potential cancer-causing agent.

CALIFORNIA PROP 65 WARNING STATEMENT:  WARNING: This product can expose you to chemicals, including Refractory Ceramic Fibers (RCFs), which are known to the State of California to cause cancer. See www.P65Warnings.ca.com for additional information.**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 and are exposed to respirable forms of RCFs 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.

SECTION 12 – ECOLOGICAL INFORMATION:**Toxicity:** No know toxicity to aquatic life.**Persistence and Degradability:** These products are insoluble materials that remain stable over time and are chemically identical to inorganic compounds found in the soil and sediment; they remain inert in the natural environment.**Bio Accumulative Potential:** No bio accumulative potential.**Mobility in Soil:** No mobility in soil.**Other Adverse Effects:** No adverse effects of this material on the environment are anticipated.**SECTION 13 – DISPOSAL:****WASTE DISPOSAL METHOD:** Prevent waste materials from becoming airborne during storage, transportation and disposal. Dispose of product and containers in accordance with local, state, federal and international regulations.**HAZARDOUS WASTE CLASSIFICATION:** Not classified as a hazardous waste. IT is not regulated under RCRA.**OTHER DISPOSAL INFORMATION:** Do not allow product into sewer systems**SECTION 14 – TRANSPORTATION DATA:****DOT Proper Shipping Name:** Not regulated by DOT or Canada.**UN Hazard Class:** None**UN Number:** None**DOT Label:** None**PACKAGING GROUP** None**IMDG:** None**MARPOL73/78a, Annex II and IBC Code** None**Canadian TDG Hazard Class & PIN:** None

SECTION 15 – REGULATORY INFORMATION:

OSHA Hazard Communication Standard	29 CFR 1919.1200
OSHA PELs	29 CFR 1910.1000
OSHA Respiratory Protection	29 CFR 1910.134
EPA SARA Section 302, 304, 313 and 40 CFR Part 372	EPA Hazard Category: Delayed
EPA TSCA	Not Listed
EPA CERCLA AND CAA	Not Listed
EPA Waste Disposal Regulations	Not Listed
California Proposition 65	RFC is listed as carcinogen
Applicable State and Local HAZCOM AND EPA Regulations	
Canada WHIMS	Class D2A, Causes other toxic effects
Canada EPA	On the DSL List
Europe REACH Regulations	Listed as Class 1B carcinogen

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 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 or 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 employee training regarding the safe handling and use of this product including how to read and understand information on SDSs.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980	PEL	Permissible Exposure Limit
CAA	Clean Air Act	PIN	Product Identifier Number
CAS#	Chemical Abstract Number	PPE	Personal Protective Equipment
CFR	Code of Federal Regulations	RFC	Refractory Ceramic Fibers
DOT	Department of Transportation	RCRA	Resource Conservation and Recovery Act
EPA	Environmental Protection Agency	RQ	Reportable Quantity
HEPA	High Efficiency Particulate Air	SARA	Superfund Amendments and Reauthorization Act
HMIS	Hazardous Material Information System	SCBA	Self-contained Breathing Apparatus
IARC	International Agency for Research on Cancer	SDS	Safety Data Sheet
IDLH	Immediately Dangerous to Life and Health	STEL	Short-Term Exposure Limit
IMDG	International Maritime Dangerous Goods Code	TLV	Threshold Limit Value
LEL	Lower Explosive Limit	TSCA	Toxic Substance Control Act
NA	Not Applicable	TWA	Time-Weighted Average
NIOSH	National Institute for Occupational Safety and Health	UEL	Upper Explosive Limit
NTP	National Toxicology Program	UN	United Nations
		WHIMS	Workplace Hazardous Materials Information System

RCF Applications:

Primary Use: RCF materials are used primarily in industrial high-temperature insulation applications. Examples include heat shields, heat containment gaskets, expansion joints, industrial furnaces ovens, kilns, boilers and other process equipment at applications up to 1400° C. RCF based products are not intended for direct sale to the general public. While RCFs are used in the manufacture of some consumer products such as catalytic converter mats and wood burning stoves the materials are contained, encapsulated or bonded within the units.

Secondary Use: Conversion into wet and dry mixtures and articles.

Tertiary Use: Installation, removal (industrial and professional), maintenance and service life.

Date Prepared: 01/09/19**Revision:**