

# SAFETY DATA SHEET

## SECTION 1 – MANUFACTURER/PRODUCT IDENTIFICATION:

**PRODUCT IDENTITY: HOTLINE® FIBER BLANKETS (CAT. #s 485101/48512 & 485111/48513)**

**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 BLANKETS **Product Type:** High Temperature Insulation **Chemical Family:** RCF

## SECTION 2 – HAZARDS IDENTIFICATION:

### SECTION 2.1: HAZARD CLASSIFICATION:

**DANGER! THIS PRODUCT IS A CARCINOGEN**

**WARNING! THIS PRODUCT IS AN IRRITANT TO THE EYES, SKIN AND RESPIRATORY TRACT**



**Causes Lung Cancer**

Contains Refractory Ceramic Fibers



Harmful if swallowed

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. CAUSES STOMACH PAIN, IF SWALLOWED.

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. Prevent material from becoming airborne.

### SECTION 2.2: LABEL INFORMATION:

**PRODUCT IDENTITY: HOTLINE® FIBER BLANKETS (CAT. #s 485101/48512 & 485111/48513)**

Signal

DANGER

Causes Lung Cancer; Contains Refractory Ceramic Fibers



**Causes Lung Cancer**

Contains Refractory Ceramic Fibers




Harmful if swallowed

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](http://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. Causes stomach pain, if swallowed.

**CAUTION:** Avoid generating and breathing dust and mist. Use with adequate ventilation. Wear appropriate respiratory protection if dust/mist 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. Store in a cool dark place. 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.

Creative Craftsmen Co., Inc.

27625 Diehl Road

Warrenville, Illinois 60555-3838

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<sup>a</sup>:**

(Specific Chemical Identity; Common Name)	CAS NUMB ER <sup>b</sup>	SARA <sup>c</sup>	OSHA PEL <sup>d,e</sup>	ACGIH TLV <sup>f</sup>	NOTES <sup>g</sup>	PERCENT <sup>h</sup>
Refractory Ceramic Fibers (RCF <sup>i</sup> ) (Aluminosilicate)	142844-00-6		5 mg/m <sup>3</sup> (R) 15 mg/m <sup>3</sup> (T)	NE <sup>j</sup>	0.2 f/cc	60-100

**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.
- 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 (MMMF) and High-Temperature Insulation Wool (HTIW).
- NE = Not Established: No PEL or TLV has been established for this component.

**SECTION 4 – FIRST AID PROCEDURES:**

<b>Inhalation:</b>	Exit to fresh air. Support breathing as needed. If condition persists, seek medical attention.
<b>Eyes:</b>	Hold eyelids apart and flush eyes with plenty of warm water for at least 15 minutes. Seek medical attention if irritation persists.
<b>Skin:</b>	Remove contaminated clothing and wash affected area with plenty of soap and water for at least 15 minutes. If redness or irritation develops, seek medical attention. Discard or decontaminate clothing before reuse.
<b>Ingestion:</b>	Material is classified as non-toxic. Do not induce vomiting. Immediately rinse mouth with plenty of water. Never give anything by mouth to an unconscious person. Seek medical attention if necessary.
<b>Note to Physician:</b>	Potential dust and mist exposure is of concern. Product contains RCF. Skin and respiratory effects are the result of temporary, mild mechanical irritation. Fiber exposure does not result in allergic manifestation.

**SECTION 5 - FIRE AND EXPLOSION HAZARD DATA:**

<b>FLASH POINT (Method Used):</b> NA	This product is nonflammable and will not support combustion. Significant airborne concentrations of dust can create flammable/explosive conditions.		
<b>FLAMMABLE LIMITS:</b>	<b>LEL:</b>	NA	<b>UEL:</b> NA
<b>AUTOIGNITION TEMPERATURE:</b>	NA		
<b>EXTINGUISHING MEDIA:</b>	Use extinguishing media appropriate for surrounding fire including carbon dioxide, dry chemical, foam, halon or water mist.		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	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. Cool containers with water spray until well after fire is out.		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	When subjected to heat and flames, toxic gases such as CO, CO <sub>2</sub> , 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 blanket. Spilling hazardous materials is not possible.

Caution: Avoid creating airborne dust. Dust suppressing cleaning methods such as wet sweeping or vacuuming should be used to clean the work area. If vacuuming, the vacuum must be equipped with a HEPA filter. 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:** Keep material from direct sunlight. 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:** 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:** 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 chemical-resistant gloves when skin contact is likely.

**EYE PROTECTION:** Safety glasses with side shields.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** When excessive skin contact is possible use aprons and other clothing to protect skin.

**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:**

<b>BOILING POINT:</b>	ND	<b>VAPOR DENSITY (Air = 1)</b>	NA
<b>MELTING POINT:</b>	ND	<b>VAPOR PRESSURE (mm Hg):</b>	NA
<b>SPECIFIC GRAVITY:</b>	ND	<b>EVAPORATION RATE</b>	
<b>Bulk Density:</b>		<b>(Butyl Acetate = 1):</b>	NA
<b>pH:</b>	NA	<b>Solubility:</b>	Insoluble

**APPEARANCE AND ODOR:** White solid fiber wrap or mat. No odor.

**SECTION 10 – STABILITY AND REACTIVITY:**

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

**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:** NTP: Yes IARC: Yes OSHA REGULATED: Yes

\* Refractory Ceramic Fibers are listed as a potential cancer-causing agent by the NTP and by IARC.

**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](http://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 known toxicity to aquatic life. These products are insoluble materials that remain stable overtime.**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.**SECTION 14 – TRANSPORTATION DATA:****DOT Proper Shipping Name:** Not regulated by DOT or Canada.**UN Hazard Class:** None**UN Number:** None**DOT Label:** None**SECTION 15 – REGULATORY INFORMATION:**

OSHA Hazard Communication Standard 29 CFR 1919.1000

OSHA PELs 29 CFR 1910.1000

EPA SARA Section 313 and 40 CFR Part 372

EPA Waste Disposal Regulations

California Proposition 65

Applicable State and Local HAZCOM AND EPA Regulations.

**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.

Conditions of use are beyond Creative Craftsmen Co. Inc. control. All statements and suggestions are made without warranty, expressed or implied regarding the accuracy of the information. We do not assume responsibility and expressly disclaim any liability for any use of this material. Therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes. Users assume all risks of their use, handling, and disposal of the product, or from the publication, or use of, or reliance upon, information contained herein. This information relates only to the product designated here and does not relate to its use in combination with other material or in any other process. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

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	RCF	Refractory Ceramic Fibers
DOT	Department of Transportation	RCRA	Resource Conservation and Recovery Act
EPA	Environmental Protection Agency	RQ	Reportable Quantity
HMIS	Hazardous Material Information System	SDS	Safety Data Sheet
IARC	International Agency for Research on Cancer	STEL	Short-Term Exposure Limit
IDLH	Immediately Dangerous to Life and Health	TLV	Threshold Limit Value
LEL	Lower Explosive Limit	TWA	Time-Weighted Average
NA	Not Applicable	UEL	Upper Explosive Limit
NTP	National Toxicology Program	UN	United Nations

**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:** 07/01/18 **Revision:**