

# SAFETY DATA SHEET

## SECTION 1 – MANUFACTURER/PRODUCT IDENTIFICATION:

**PRODUCT IDENTITY: HOTLINE® FLAME - DRI RELEASE (CAT. # 1591 & 15915)**

**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 - Flame-Dri Release **Product Type:** Refractory Coating **Chemical Family:**

## 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 Crystalline  
Silica (Quartz)



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



Environmental  
Toxin

### PRECAUTIONARY INFORMATION:

CAUSES LUNG CANCER. CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION. CAUSES RESPIRATORY TRACT IRRITATION. CAUSES STOMACH PAIN, IF SWALLOWED.

Prevent eye contact and prolonged skin contact. Utilize appropriate protective clothing and eye and skin protection. Avoid the generation and inhalation of dust and mist. Prevent dust accumulation. Eliminate ignition sources near product and packaging. 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 thoroughly after handling. Prevent material from becoming airborne. Avoid release to the environment.

### PRECAUTIONARY INFORMATION REGARDING RADIOACTIVE ELEMENTS PRESENT IN ZIRCONIUM:

Please note that zirconium materials may contain trace quantities of naturally occurring radioactive uranium, thorium and radium. Overexposure by inhalation to respirable dusts may cause lung cancer. Keeping these airborne dusts below the applicable exposure limit will ensure that exposure to these radioactive materials will be within the established exposure limits. Zircon-containing refractory coatings generally contain high levels of respirable particles. When in the liquid state potential exposure is low. Prevent inhalation exposure to respirable dust when handling dry refractory coatings. Capture dusts at generation points. Practice good housekeeping. Control ignition sources including static discharges.

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

### SECTION 2.2 LABEL INFORMATION:

**PRODUCT IDENTITY: HOTLINE® - FLAME-DRI RELEASE**



**DANGER! CAUSES LUNG CANCER**  
**CONTAINS CRYSTALLINE SILICA**



**WARNING! CAUSES EYE, SKIN**  
**AND RESPIRATORY TRACT**  
**IRRITATION**



**ENVIRONMENTAL TOXIN**

**HAZARD STATEMENT:** This product contains an ingredient that is known to cause cancer. Crystalline silica causes lung cancer. Causes eye irritation. Causes skin irritation. Causes respiratory irritation. Causes stomach pain if swallowed.

**CAUTION:** Keep away from children and pets. Avoid contact with skin and eyes. Avoid generating and breathing dust and mist. Use with adequate ventilation. Keep away from food products. Wash thoroughly after use. Keep container closed after use. Do not eat or drink product. If ingested seek immediate medical attention. Store in a cool dark place. Use impervious skin protection if there is potential skin contact.

### 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.

**SECTION 2 – HAZARDS IDENTIFICATION (Cont.):**

NFPA Fire Diamond  
 Fire (Red) = 0  
 Health (Blue) = 2  
 Reactivity (Yellow) = 0  
 Special Hazard (White)

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 Warrenville, Illinois 60555-3838  
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**SECTION 3 – HAZARDOUS INGREDIENTS INFORMATION:**

This product contains an ingredient that causes cancer. This product contains material that may be hazardous when airborne as a particulate. This material also causes irritation upon contact with eyes, skin and the respiratory system.

**HAZARDOUS COMPONENTS<sup>a</sup>:****(Specific Chemical Identity;**

<b>Common Name)</b>	<b>CAS NUMBER<sup>b</sup></b>	<b>SARA<sup>c</sup></b>	<b>OSHA PEL<sup>d</sup></b>	<b>ACGIH TLV<sup>e</sup></b>	<b>NOTES</b>	<b>PERCENT<sup>f</sup></b>
Zircon:	14940-68-2		5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	ACGIH STEL <sup>g</sup>	<47.5 <5.9
Graphite	7782-42-5		15 mppcf	2 mg/m <sup>3</sup>	ACGIH Respirable	
Magnesium Carbonate Total Particulate	546-93-0		15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	Inhalable	<1.7
Talc	14807-96-7		20 mppcf	2 mg/m <sup>3</sup>	ACGIH Respirable	<1.7
Quartz (Respirable)	14808-60-7		0.05 mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup>	(as SiO <sub>2</sub> )	<0.17
Copper Sulfate (2+) Pentahydrate	7758-99-8	*	---	---		<0.12
Titanium Dioxide	13463-67-7		15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		<0.12
Water						≈25.0

**Notes:**

- The term "Hazardous" is defined in the Occupational Safety and Health Administration (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 designation is the Chemical Abstract Service Number. A CAS number is assigned to each individual 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. These values represent 8-hour time weighted average exposures and 15-minute short-term exposure limits (STELs). These values are presented as milligrams of contaminant per cubic meter of air (mg/m<sup>3</sup>) or as million particles per cubic foot of air (mppcf).
- These values are based on the American Conference of Governmental Industrial Hygienists 2016 Threshold Limit Values (TLVs).
- Approximate percent by weight values.
- STEL = Short Term Exposure Limit.

**SECTION 4 – FIRST AID PROCEDURES:**

<b>Eyes:</b>	Hold eyelids apart and flush eyes with plenty of warm water potable 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>Inhalation:</b>	Exit to fresh air. If irritation develops, seek medical attention. Support breathing as needed. If conditions persist, seek medical attention. Symptoms may be delayed.
<b>Ingestion:</b>	Immediately rinse mouth with plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If swallowed, consult a physician or poison control center.
<b>Note to Physician:</b>	Skin, eye and respiratory contact are of concern. Inform physician of victim status and cause of injuries.

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

<b>FLASH POINT (Method Used):</b>	This product is nonflammable and will not support combustion.		
<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, water fog, dry chemical powder or foam.		
<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 heat and chemical resistant clothing. Do not release runoff to sewers and waterways. Move containers away from fire, if possible. Cool tanks 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 carbon dioxide and carbon monoxide may be released.		

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

**Caution:** This material is a black creamy substance. Do not leave spills on floors unattended. Barricade spill area until cleanup is complete. Keep material from entering low areas. Provide adequate ventilation. Avoid stepping in spilled material. Keep non-spill response personnel away.

**Small Spills:** Contain small spills using appropriate personal protective equipment and spill containment material. Recover spilled materials if possible and safe to do. Soak up liquid with an appropriate absorbent (i.e., sand, vermiculite) and place material in appropriate, tight sealing containers. Clean surfaces of residual contamination.

**Large Spills:** Wear appropriate protective clothing and safety glasses or goggles. If material has dried, use a NIOSH approved air-purifying respirator equipped with P-100 filters. Stop the flow of material. Dike the spill with appropriate spill containment material (i.e., sand, vermiculite). Prevent material from entering sewers and waterways. During clean up of dried material avoid creating airborne dust (e.g., use wet methods, or HEPA vacuum).

For dry product, prevent the spread of the material and keep dust levels to a minimum. Thoroughly rinse the spilled area with water followed by vacuuming with a HEPA vacuum.

For wet spills, apply appropriate absorbent and vacuum up for disposal. Rinse with water followed by HEPA vacuuming.

If an emergency situation exists, contact spill response personnel.

Contact local authorities if spill may reach the public sewer system or an aquatic environment.

Place absorbents into appropriate containers for disposal.

CERCLA Reportable Quantity: No ingredient is listed.

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

Handle in accordance with good industrial hygiene and safety practices. Do not taste or ingest.

Open containers carefully with adequate ventilation.

Avoid breathing hazard exposure. Refractory coatings can contain crystalline silica (quartz). When disturbed, dry product residue can result in hazardous airborne hazards. Prevent the generation of airborne hazards when handling refractory coatings (i.e., grinding and sanding) and when performing cleanup. During spray operations inhalation exposure may be created. Provide and use respiratory protection during spray operations. Prevent dust accumulation.

Avoid eye and prolonged skin contact. Avoid creating airborne dust. Keep floors clean and dry. Store in tightly closed containers in a cool, well-ventilated area. Keep away from open flames. Store out of direct sunlight. Keep containers from freezing. Handle with care and avoid unnecessary contact. Use only with adequate ventilation that keeps dust/mist levels below the applicable exposure limit. Avoid breathing airborne particulate. When potential inhalation exposure exists wear appropriate personal protective equipment including a NIOSH-approved air-purifying respirator to protect from inhalation exposure.

Do not store near oxidizing materials. Store in locked secured area. Wash exposed skin thoroughly after handling.

**PRECAUTIONS TO BE USED DURING REPAIR AND MAINTENANCE:** Not Applicable

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

**OTHER PRECAUTIONS:** It is recommended that the product be used within 90 days of purchase. Empty containers may contain residue and are considered hazardous. DO NOT cut, torch or heat empty containers. Do not reuse empty containers for food, clothing or for personal consumption products.

Keep material from direct sunlight. Keep away from sparks and flames. Protect from ignition sources including static electricity. Properly ground containers and equipment. Keep out of reach of children.

**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-facepiece air-purifying respirator (APR) equipped with filters approved for particulate (P-100). If there is a potential for an uncontrolled release, exposure levels are not known, or there are circumstances where an APR may not provide adequate protection, use a positive pressure air-supplied respirator. 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, safety glasses with a face shield or a pair of goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** When excessive skin contact is likely wear impervious aprons, boots 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>	100°C	<b>VAPOR DENSITY (Air = 1)</b>	ND
<b>MELTING POINT:</b>	ND	<b>VAPOR PRESSURE (mm Hg):</b>	ND
<b>SPECIFIC GRAVITY:</b>	>1	<b>EVAPORATION RATE (Butyl Acetate = 1):</b>	<1
<b>pH:</b>	ND	<b>SOLUBILITY IN WATER:</b>	Disperses

**APPEARANCE AND ODOR:** Black creamy liquid. Mild non-descript 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 known			
<b>INCOMPATIBILITY (Materials to Avoid):</b>	Strong oxidizing agents including chlorine			
<b>HAZARDOUS POLYMERIZATION:</b>	<b>May Occur:</b>	<u>                    </u>	<b>Will Not Occur:</b>	<u>                    </u> X
<b>Conditions to Avoid:</b>	None known.			
<b>DECOMPOSITION PRODUCTS:</b>	None known under normal handling and storage conditions. Carbon monoxide and carbon dioxide			

**SECTION 11 – HEALTH HAZARD DATA:**

<b>ROUTE(S) OF ENTRY:</b>	<b>Inhalation:</b>	Yes	<b>Skin/Eye Contact:</b>	Yes	<b>Skin Absorption:</b>	No	<b>Ingestion:</b>	Unlikely
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**HEALTH HAZARDS (Acute and Chronic):****Acute (Short-Term) Effects:**

**Eye contact:** Causes eye irritation.

**Skin contact:** Causes skin irritation.

**Inhalation:** Material is a cream. Under normal conditions of use inhalation exposure is unlikely. 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. Swallowing large amounts can irritate the gastrointestinal tract. If ingested will cause nausea and vomiting.

**Systemic Effects:** None known.

**SECTION 11 – HEALTH HAZARD DATA (Cont.):****Chronic (Long-Term) Effects:**

Repeated and prolonged inhalation of airborne particulate containing minerals including quartz may cause impaired lung function, increased sputum production, and pneumoconiosis. Smoking aggravates these effects. Frequent or prolonged contact may irritate the skin, cause a skin rash (dermatitis), dry the skin and damage the eyes. Repeated and prolonged inhalation of mist and vapors may cause impaired lung function including irritation of the nose, throat and respiratory tract.

Please note that zirconium materials contain trace quantities of naturally occurring radioactive uranium, thorium and radium. Overexposure to these dusts can cause lung cancer. Keeping these airborne dusts below the applicable exposure limit will ensure that exposure to these radioactive materials will be within the established exposure limits.

**REPRODUCTIVE OR DEVELOPMENTAL EFFECTS:** None known.

**CARCINOGENICITY:** NTP: Yes\* **IARC:** Yes\* **OSHA REGULATED:** Yes

\* Quartz and titanium dioxide are listed in the NTP Sixth Annual Report on Carcinogens and in the IARC Monographs, Volume 42.

**WARNING:** This product contains or produces a chemical(s) known to the State of California and other states, if applicable, to cause cancer.

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

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with respiratory conditions.

**BY EXPOSURE:**

Individuals with upper respiratory and lung diseased such as, but not limited to, bronchitis, emphysema and asthma.

**SECTION 12 – ECOLOGICAL INFORMATION:**

**Toxicity:** Toxic to aquatic life. Produces long-term effects to aquatic life.

**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.

**Trace Radioactive Materials:** The naturally occurring radioactive material in this product may activate radiation detection sensors at scrap iron and transportation facilities. Zircon is exempt from NRC regulation since it is an unprocessed material containing less than 0.05% uranium or thorium. Check local regulations regarding naturally occurring radioactive material to determine if there are additional requirements.

Empty Containers: May contain product residue. Dispose of residue/container in accordance with state and local regulation.

**SECTION 14 – TRANSPORTATION DATA:**

**DOT Proper Shipping Name:** Not regulated by DOT.

**UN Hazard Class:**

**UN Number:**

**DOT Label:**

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

**SECTION 16 – OTHER INFORMATION (Cont.):**

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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**Date Prepared:** 10/01/03**Revision:** 11/04/16