# MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet (MSDS) contains toxicology, industrial hygiene, and environmental information for your employees. Please make sure they are provided with this information. It also contains information to assist with meeting community right-to-know and emergency response reporting requirements under SARA Title III and other laws. If you resell this product, provide the buyer with this MSDS or incorporate this information into a new MSDS. Disregard any previous edition of this MSDS. This MSDS was prepared according to the OSHA Hazard Communication Standard (29 CFR §1910.1200) and the ANSI MSDS Standard (ANSI Z400.1) by *HAZARD INFORMATION SERVICES*$^{SM}$, 8100 34$^{th}$ Avenue South, P.O. Box 1309, Minneapolis, MN 55440-1309.

## SECTION 1 CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

**MATERIAL NAME:** HOTLINE HI-FIRE SHELF PRIMER
**CATALOG No.:** 48321
**MANUFACTURER:** Creative Craftsmen Co., Inc.
27625 Diehl Road
Warrenville, IL 60555

**TELEPHONE NUMBERS:**

MEDICAL EMERGENCIES (24 HR): PROSAR PRODUCT SAFETY SOURCES
1-888-215-4878

## SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

| MATERIAL | CAS # | % | EXPOSURE LIMITS | REFERENCES |
|---|---|---|---|---|
| Hydrated Aluminum Silicate | 1332-58-7 | 41.7 | 2 mg/m$^3$ [RF] TWA-TLV for dust containing no asbestos and < 1% crystalline silica<br>15 mg/m3 [TD] TWA-PEL<br>5 mg/m3 [RF] TWA-PEL<br>10 mg/m3 [TD] TWA-PEL<br>*TD = total dust*<br>*RF = respirable fraction* | ACGIH 97<br><br>OSHA (29CFR1910)<br>OSHA (29CFR1910)<br>OSHA 89 (vacated)<br>*Vacated PELs are not federally enforceable but may be in certain states* |
| Crystalline Silica (Quartz) | 14808-60-7 | 0.13% to 2% | 0.1 mg/m$^3$ [RF] TWA-TLV<br><br>TWA-PEL [TD]: 30 mg/m$^3$ divided by (% $SiO_2$ + 2)<br><br>TWA-PEL [RF]: 10 mg/m$^3$ divided by (% $SiO_2$ + 2)<br><br>IDLH: 50 mg/m3 (for quartz)<br><br>*TD = total dust*<br>*RF = respirable fraction* | ACGIH 97<br><br>OSHA (29CFR1910) Table Z-3<br><br>OSHA (29CFR1910) Table Z-3<br><br>NIOSH 94 |

## SECTION 3 HAZARDS IDENTIFICATION

| EMERGENCY OVERVIEW | |
|---|---|
| APPEARANCE AND ODOR: | White odorless powder |
| STATEMENT OF HAZARD: | **CAUTION** |
| ACUTE HAZARDS: | • May cause upper respiratory tract irritation |
| | • May irritate the eyes, skin and mucous membranes |
| | • Avoid generating or breathing dust |
| CHRONIC HAZARDS: | • Inhalation may cause delayed lung injury and lung cancer |
| 1996 North American Emergency Response Guidebook: NA | |

**POTENTIAL EXPOSURE ROUTES:** Eyes, skin contact, inhalation, and less likely, ingestion. Dust inhalation is typically the most significant exposure route. The degree of injury will depend upon exposure dose, duration of exposure, and speed and thoroughness of first aid treatment.

**ACUTE EFFECTS**

**Local Effects (eyes, skin, nose, throat, stomach, etc...)**

- Inhalation may irritate the respiratory tract and cause coughing and shortness of breath
- Contact may irritate the eyes, skin, and mucous membranes, primarily from frictional action
- Contact with the eyes may scratch the cornea
- Swallowing large amounts may irritate the gastrointestinal tract.

**Systemic Effects**

- None identified

**SUB-CHRONIC EFFECTS:** NDA

**NON-CARCINOGENIC CHRONIC EFFECTS:** Chronic inhalation may lead to emphysema, silicosis and pulmonary fibrosis.

**REPRODUCTIVE OR DEVELOPMENTAL EFFECTS:** No evidence of adverse effects in humans was found. None of the components of this product (Section 2) are 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 toxicity.

**CANCER:** One component of this product, crystalline quartz, (Section 2), is listed as a carcinogen or potential carcinogen by NTP and IARC. Crystalline silica 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 cancer.

**POSSIBLE TARGET ORGANS:** Eyes, skin and respiratory tract

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** People with preexisting respiratory conditions, especially chronic lung disease might be more sensitive.

## SECTION 4 FIRST AID MEASURES

**EYE CONTACT:** Immediately flush with water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation persists.

**SKIN CONTACT:** Remove contaminated clothing. Flush with plenty of water. Wash affected area with mild soap and water. Get medical attention if irritation persists.

**INGESTION:** Immediately rinse mouth out with plenty of water. If within 30 minutes after ingestion, give a small glass of water. NEVER give anything by mouth to an unconscious person. Consult with your physician or poison control center. Do not induce vomiting unless instructed to do so by a physician or poison center.

**INHALATION:** Remove to fresh air. Seek medical attention if breathing becomes difficult.

## SECTION 5 FIRE FIGHTING MEASURES

**NFPA RATING: H-1 F-0 R-0** **FLASH POINT:** NA

**UPPER EXPLOSIVE LIMIT:** NA **LOWER EXPLOSIVE LIMIT:** NA

**AUTOIGNITION TEMPERATURE:** NA

**EXTINGUISHING MEDIA:** Use media appropriate to the surrounding fire conditions.

**FIRE FIGHTING INSTRUCTIONS:** Wear appropriate protective clothing. Use self-contained breathing apparatus. Keep runoff from fire control from entering steams, sewers or drinking water supply.

**COMBUSTION PRODUCTS:** Silicon- and aluminum-containing compounds, carbon dioxide and carbon monoxide.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**GENERAL:** Do not attempt to clean chemical spills without appropriate personal protective equipment (see Section 8). Extinguish or remove all ignition sources. Vacuum or sweep material and place in a disposal container. Avoid raising dust. Keep waste out of sewers, watersheds and waterways. See Section 13 for information on the disposal of recovered material.

**CERCLA REPORTABLE QUANTITIES (RQ):** None

## SECTION 7 HANDLING AND STORAGE

**GENERAL:** Store containers upright in a cool, dry, well ventilated area out of direct sunlight. Use with adequate ventilation and store away from incompatible materials (see Section 10). Use with proper personal protective equipment (see Section 8). Empty containers may retain hazardous properties-follow all MSDS/label warnings even after containers are emptied. Do not reuse empty container for food, clothing, or products for human consumption. Keep this and all chemicals out of reach of children.

**STORAGE TEMPERATURE:** Ambient

**STORAGE PRESSURE:** Atmospheric

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Airborne concentrations must be maintained below the exposure limits or respiratory protection is needed. If respiratory protection is necessary, seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134). If there is potential for an uncontrolled release, or exposure levels are not known, or there are any other circumstances where air purifying respirators may not provide adequate protection, use a positive pressure air supplied respirator.

**EYE PROTECTION:** Wear safety glasses, chemical goggles, or face shield as necessary to prevent eye contact.

**PROTECTIVE CLOTHING:** Skin contact may be prevented by wearing gloves.

**VENTILATION:** Use appropriate local or general exhaust ventilation to minimize airborne concentrations and prevent atmospheric concentrations from reaching the exposure limit(s) (Section 2).

**SAFETY EQUIPMENT:** Eyewash and safety shower

**GENERAL:** Use with good personal and industrial hygiene practices. Wash thoroughly after using product. Keep product off clothing and equipment. Launder contaminated clothing before reuse. Do not eat, drink or smoke in any work area. It is always good industrial hygiene practice to limit, to the extent feasible, skin and eye contact and inhalation of chemical products.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** White odorless powder

**BOILING POINT:** NDA
**VAPOR PRESSURE:** Essentially zero
**SPECIFIC GRAVITY:** NDA
**VAPOR DENSITY (AIR = 1):** NA
**SOLUBILITY IN WATER:** Low
**VOLATILES (% BY VOL.):** 0
**EVAPORATION RATE:** NA
**FLASH POINT:** NA

## SECTION 10 STABILITY AND REACTIVITY

**GENERAL:** This product will not polymerize. This product is stable.

**CONDITIONS TO AVOID:** Flames

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizers, strong acids, bismuth. Always test the compatibility of materials before mixing or storing them together.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Silicon- and aluminum-containing compounds, carbon dioxide and carbon monoxide.

## SECTION 11 TOXICOLOGY INFORMATION

This section provides relevant information with regard to any toxicity studies performed on the product, or the "pure" form of the component(s). This information can be subject to misinterpretation. Therefore, it is essential that the following information be interpreted by individuals trained in its evaluation. For assistance with interpreting this information, contact *HAZARD INFORMATION SERVICES*[SM] at 1-800-228-5635 Ext. 115 or (612)221-3999 Ext. 115, 24 hours-a-day.

**PRODUCT BASED:** No product-specific toxicity data is available. Potential effects from exposure to the product are based on the product components.

**EYE EFFECTS:** Eye contact can cause irritation or corneal damage primarily due to mechanical action.

**SKIN EFFECTS:** Repeated skin contact may possibly cause mild irritation due to mechanical action.

**ORAL EFFECTS:** Not a hazard in normal industrial use. Essentially nontoxic by ingestion. Ingestion of extremely large quantities may cause nausea, diarrhea and kidney disorders.

**INHALATION EFFECTS:** Inhalation of the product may irritate the upper respiratory tract. The product contains crystalline silica (CAS # 14808-60-7). Repeated, prolonged inhalation of dust may cause delayed lung injury (emphysema, silicosis, fibrosis or pneumoconiosis). Chronic inhalation of crystalline silica may cause lung cancer.

**MUTAGENICITY:** Limited evidence of mutagenic effects of crystalline silica (CAS # 14808-60-7) was identified from *in vitro* studies.

**CARCINOGENICITY:** One product component, crystalline silica (CAS # 14808-60-7), has been identified as a carcinogen by the inhalation exposure route. IARC classifies crystalline silica a human carcinogen (Group 1) in occupational settings. NTP classifies crystalline silica as a suspect carcinogen.

**DEVELOPMENTAL OR REPRODUCTIVE EFFECTS:** Limited experimental data suggests that occupational exposure to the product is not expected to result in adverse reproductive effects. There are no data available addressing the potential developmental effects following exposure.

## SECTION 12 ECOLOGICAL INFORMATION

**ECOTOXICITY:** This product poses minimal risk to the environment.

**ENVIRONMENTAL FATE:** The product components are relatively insoluble in water and are not expected to bioconcentrate in aquatic life.

## SECTION 13 DISPOSAL CONSIDERATIONS

**RCRA HAZARD NUMBER(S):** None.

**WASTE DISPOSAL:** Consult a local expert for advice on the disposal of this material. Characteristics of waste material may differ from those of original material. Ensure that disposal is in compliance with local, state and federal regulations. Under RCRA it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

## SECTION 14 TRANSPORTATION INFORMATION

**D.O.T. PROPER SHIPPING NAME:** Not regulated as a hazardous material

## SECTION 15 REGULATORY INFORMATION

**TSCA, DSL/NDSL, EINECS STATUS:** The product components are listed in the TSCA, EINECS and DSL inventories.

**CERCLA REPORTABLE QUANTITY (RQ) (40 CFR Table 302.4):** None

**SARA TITLE III (Superfund Amendments and Reauthorization Act)**

- **Section 302 Extremely Hazardous Substances (40 CFR 355):** Not listed
- **Section 304 Notification of Accidental Release (40 CFR 355):** Not listed under 40 CFR 355 or 40 CFR Table 302.4.
- **Section 311/312 Hazard Categories (40 CFR 370):** This product has been reviewed according to the EPA hazard categories promulgated under Section 311 and 312 of SARA and is considered, under applicable definitions, to meet the following categories:

| | |
|---|---|
| Immediate (acute) health effects: | No |
| Delayed chronic health effects: | Yes |
| Fire Hazard: | No |
| Sudden Release of Pressure Hazard: | No |
| Reactivity Hazard: | No |

- **Section 313 Toxic Chemical Release Inventory (40 CFR 372.65(a))**: Not listed

**STATE REGULATORY INFORMATION:** Since each state has the authority to promulgate standards more stringent than the federal government, this section cannot provide an inclusive list of all state regulations which may apply to this product. Questions related to state regulations should be directed toward local officials.

## SECTION 16 OTHER INFORMATION

| | |
|---|---|
| ISSUE DATE: | 6-4-98 RE-ISSUED 7/22/10 |
| SUPERSEDES: | None |
| REASON(S) FOR ISSUE: | New product |
| PREPARED BY: | Lisa Herschberger, M.S., M.P.H.<br>Occupational and Environmental Toxicologist<br>Toxicology and Industrial Hygiene Group |

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ABBREVIATIONS

ACGIH..... American Conference of Governmental Industrial Hygienists
AIHA..... American Industrial Hygiene Association
CERCLA.... Comprehensive Environmental Response, Compensation and Liability Act of 1980
CAS #..... Chemical Abstracts Service Number
CFR..... Code of Federal Regulations
DOT..... Department Of Transportation
DSL ..... Canadian Domestic Substance List
EINECS..... European Inventory of Existing Chemical Substances
IARC..... International Agency for Research on Cancer
IDLH..... Immediately Dangerous to Life and Health
LEL..... Lower Explosion Limit
MSDS..... Material Safety Data Sheet
NA ..... Not Applicable
NDA..... No Data Available
NFPA .....National Fire Protection Association
NDSL .....Canadian Non-Domestic Substance List
NIOSH .....National Institute for Occupational Safety and Health
NTP.....National Toxicology Program
OSHA.....Occupational Safety and Health Administration
PEL.....Permissible Exposure Limit
RCRA.....Resource Conservation and Recovery Act
RQ .....Reportable Quantity
STEL.....Short Term Exposure Limit
TLV .....Threshold Limit Value
TSCA .....Toxic Substances Control Act
TWA.....Time-Weighted Average
UEL.....Upper Explosion Limit
WEEL.....Workplace Environmental Exposure Level

**VERSION :** 1 **APPROVED BY:** Ed Hoy **DATE:** 7/22/10