

MATERIAL SAFETY DATA SHEET

IDENTITY

(As Used on Label and List)

HOTLINE[®] SPRAY A PLUS (CAT. # 482405)

SECTION I – Manufacturer/Product Identification:

Manufacturer's (Distributor's) Name:

Creative Craftsmen Co. Inc.
27625 Diehl Road
Warrenville, Illinois 60555

Emergency Telephone Number:

(800) 215-4878

Trade Name: Hotline Spray "A" PLUS **Product Type:** Glass Enamel/Flux in Spray Medium

Chemical Family: Decorative Coating Mixture

Date Prepared: 04/22/10

Revision: 5

Prepared By: Satterfield Consulting

SECTION II – Hazardous Ingredients Information:

This product is a water-based mixture containing pigments that belong to the mixed metal oxide pigment class and frit (an amorphous inorganic glass powder). This product was produced by chemical reaction at high temperatures. These pigments/frit do not have exposure limits. The toxicological properties have not been thoroughly studied. A small percentage of starting material may be present in this product, and are listed here along with their exposure limits.

HAZARDOUS COMPONENTS^{1,2}:

(Specific Chemical Identity;

Common Name)

| CAS Number | SARA ³ | OSHA PEL ⁴ (mg/m ³) | ACGIH TLV ⁵ (mg/m ³) | NOTES | PERCENT ⁶ |
|--------------------------------|-------------------|---|--|--------------------------------------|----------------------|
| Inorganic Glass: | NA | | | | ≈ 26 |
| Respirable Particulate | | 5 | 3 | PNOC ⁷ | |
| Total Particulate | | 15 | 10 | | |
| -Crystalline Silica | 14808-60-7 | See below ⁸ | 0.1 | (as SiO ₃) | ND |
| -Boron | 1303-86-2 | 15.0 | 10.0 | (as B ₂ O ₃) | ND |
| -Alumina | 1344-28-1 | 15.0 | 10.0 | (as Al ₂ O ₃) | ND |
| -Sodium Oxide | 1313-60-6 | NA ⁹ | NA | (as Na ₂ O ₂) | ND |
| Ethyl Alcohol | 64-17-5 | 1900 | 1880 | | ND |
| 2-Ethyl Hexanol | 104-76-7 | --- | --- | | ND |
| Methanol | 67-56-1 | 260 | 262 | | ND |
| Octylphenoxy polyethoxyethanol | 9036-19-5 | NA | NA | Surfactant | <0.001 |
| Sodium Carboxymethylcellulose | 9004-32-4 | NA | NA | | ND |
| Water | 7732-18-5 | --- | --- | | ≈ 54 |

Notes:

1. The term "Hazardous" should be interpreted as defined and required in the OSHA Hazard Communication and does not necessarily imply the existence of any hazard.
2. In accordance with OSHA regulation 29 CFR 1910.1200 any component at a concentration equal to or greater than 1.0 percent (0.1 percent if a carcinogen) is listed in this section. Some listed components are present at less than 0.1%.
3. 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.
4. These permissible exposure limits (PELs) are based on OSHA's rulemaking (29 CFR 1910 Subpart Z) and are the current regulatory limits. These values represent 8-hour time weighted average exposures.
5. These values are based on the American Conference of Governmental Industrial Hygienists 2009 Threshold Limit Values (TLVs).
6. Approximate percent by weight values. ND indicates that no data has been listed because the quantity of these ingredients is proprietary information.
7. PNOC = Particles Not Otherwise Classified. PNOCs are guidelines not TLVs. See Appendix D in the 2008 ACGIH TLV and BEIs. PNOCs do not have TLVs, are insoluble or poorly soluble in water and have low toxicity.
8. The OSHA PEL for crystalline silica is calculated according to formulas listed in 29 CFR 1910.1000, Table Z-3.
9. NA = Not Available. No PEL or TLV has been established at this time.
10. The American Industrial Hygiene Association (AIHA) has established a Workplace Environmental Exposure Level (WEEL) for this hazardous component.

SECTION III – Physical/Chemical Characteristics:

| | | | |
|-----------------------------|---|--------------------------------|---|
| BOILING POINT: | ND | VAPOR DENSITY (Air = 1) | >1 |
| MELTING POINT: | ND | VAPOR PRESSURE (mm Hg): | ND |
| SPECIFIC GRAVITY: | ND | EVAPORATION RATE | |
| pH: | ND | (Butyl Acetate = 1): | <1 |
| APPEARANCE AND ODOR: | White cloudy slurry when mixed. Separates to powder and clear liquid when not mixed. Mild minty soap-like odor. | | SOLUBILITY IN WATER: |
| | | | Solids are insoluble. Liquids are soluble. |

SECTION IV – Fire and Explosion Hazard Data:

| | | | |
|---------------------------------------|---|----|----------------|
| FLASH POINT (EPA Method 1010): | NA = Not flammable or combustible. | | |
| FLAMMABLE LIMITS: | LEL: | NA | UEL: NA |
| EXTINGUISHING MEDIA: | Use carbon dioxide, dry chemical, foam, water mist or extinguishing media appropriate for surrounding fire. | | |

SPECIAL FIRE FIGHTING PROCEDURES: Wear appropriate protection for the surrounding fire. When fighting a chemical fire, fire fighters should wear self-contained breathing apparatus and full protective clothing. Cool containers and structures exposed to fire with water spray. Do not release runoff to sewers and waterways.

UNUSUAL FIRE AND EXPLOSION HAZARDS: When subjected to sparks and flames, toxic gases such as CO and CO₂ may be released.

SECTION V – Reactivity Data:

| | | | | |
|--|---|-----------------------------------|------------------------|-----------------------------------|
| STABILITY: | Stable: | <u> X </u> | Unstable: | <u> </u> |
| Conditions to Avoid: | None known. | | | |
| INCOMPATIBILITY (Materials to Avoid): | Strong Oxidizing Agents. | | | |
| HAZARDOUS POLYMERIZATION: | May Occur: | <u> </u> | Will Not Occur: | <u> X </u> |
| Conditions to Avoid: | None known. | | | |
| DECOMPOSITION PRODUCTS: | Carbon monoxide, carbon dioxide, hydrocarbon fragments. | | | |

SECTION VI – Health Hazard Data:

| | | |
|-----------------------------------|--------------------------------|-----------------------------------|
| ROUTE(S) OF ENTRY: | Skin/Eye | Skin |
| Inhalation: <u> Yes </u> | Contact: <u> Yes </u> | Absorption: <u> Yes </u> |
| | | Ingestion: <u>Unlikely</u> |

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

Eye, skin and respiratory tract irritation possible from spray/mist due to physical nature of particulate. Eye and skin irritation. Frequent and repeated contact with product can cause dermatitis.

Inhalation may cause lung irritation.

Ingestion can cause intestinal tract irritation, nausea, vomiting and diarrhea.

Chronic (Long-Term) Effects:

Repeated and prolonged inhalation of frit/powdered glass may cause impaired lung function, increased sputum production, and pneumoconiosis. Smoking aggravates these effects.

May cause headache, dizziness and nausea. The liver and kidney are target organs. Contains denatured alcohol. If ingested will cause nausea and vomiting. Use during pregnancy may cause fetal alcohol syndrome.

SECTION VI – Health Hazard Data (Cont):

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

* This product has not been reviewed for carcinogenicity by IARC, NTP, or OSHA. Crystalline silica (quartz) is 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.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush eyes with plenty of 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 redness or irritation develops, seek medical attention. Discard or decontaminate clothing before reuse.

Inhalation: Exit to fresh air. If irritation develops, seek medical attention. Support breathing as needed.

Ingestion: If the person is conscious, give large amounts of water or milk. Do not induce vomiting. Seek medical attention.

Note to Physician: Inform physician of victim status and cause of injuries.

SECTION VII – Precautions for Safe Handling and Use:**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

If an emergency situation exists, contact spill response personnel. Utilize appropriate personal protective equipment including protective clothing and NIOSH approved air-purifying respirators equipped with filters and canisters approved for particulate and organic vapors. Recover material for reuse if possible. Soak up liquid with appropriate absorbent and place spilled material in appropriate, tight sealing containers. During clean up of dried material avoid creating airborne dust (e.g., use wet methods, or HEPA vacuum).

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid eye and prolonged skin contact. If dry, avoid creating airborne dust. Store in tightly closed containers in a cool, well-ventilated area. Keep away from open flames. Handle with care and avoid unnecessary contact. Wash thoroughly after handling. Use only with adequate ventilation. Avoid breathing airborne particulate. Avoid creating dust and breathing dust of dried product.

OTHER PRECAUTIONS: Material transport over the roadway shall be performed with properly permitted vehicles.

SECTION VIII – Control Measures:**VENTILATION:**

Local Exhaust: Used as needed to keep dust and vapor exposure levels below PELs.

Mechanical: If necessary to keep dust levels below PELs. Recommended for confined areas and when handling dry material.

Special: NA

Other: NA

SECTION VIII – Control Measures (Cont):

RESPIRATORY PROTECTION: Respiratory protection is not likely needed under normal conditions of use. If exposure above the OSHA PELs is likely use a NIOSH approved half-mask or full-facepiece air-purifying respirator (APR) equipped with high efficiency particulate filters (N-95 to P-100). Additional protection (e.g., SCBA) may be required for emergencies or in designated areas (e.g., confined areas). APRs do not protect workers in oxygen deficient atmospheres.

PROTECTIVE GLOVES: Wear protective gloves when skin contact is likely.

EYE PROTECTION: Safety glasses with side shields. Cover goggles are recommended in dusty areas or where misting or splashing are likely.

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: 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 IX – Transportation Data::

| | |
|----------------------------------|---------------|
| DOT Proper Shipping Name: | Not Regulated |
| UN Hazard Class: | NA |
| UN Number: | NA |
| DOT Label: | NA |
| Packaging Group: | NA |

SECTION X – Container Label Information:

SUBSTANCE IDENTITY: Hotline® Spray A PLUS (CAT. # 482405)

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 prolonged skin contact.

HEALTH HAZARDS: Skin, eye and respiratory tract irritant. Causes stomach pain if swallowed. This product contains ingredients that are known to cause cancer. Crystalline silica causes lung cancer. Central nervous system and liver toxin.

ROUTES OF ENTRY:

Inhalation: YES **Skin/Eye Contact:** YES **Skin Absorption:** Yes **Ingestion:** Unlikely

FIRST AID: Eyes: Flush with water at least 15 minutes. Call a physician.

Skin: Wash with mild soap and water.

Ingestion: If conscious give a couple of glasses of water or milk. Do not induce vomiting. Call a physician.

Inhalation: Move victim to fresh air. Contact emergency medical personnel if victim is unconscious.

SECTION XI – Generic Label Information:

SUBSTANCE IDENTITY: Hotline® Spray A PLUS (CAT. # 482405)

HMIS LABEL CODE:**HEALTH HAZARDS:**

| | | | |
|--------------|---------------|------------|---------------|
| Toxic | <u> X </u> | Corrosive | <u> </u> |
| Highly Toxic | <u> </u> | Sensitizer | <u> </u> |
| Irritant | <u> X </u> | Carcinogen | <u> X </u> |

Health = 3
 Flammability = 0
 Reactivity = 0
 Personal Protection = E

IMMEDIATE AND DELAYED TARGET ORGAN EFFECTS:

| | | | | | |
|---|---------------|--------------------------------------|---------------|--|--------------|
| Cutaneous Hazard (Skin Damage) | <u> X </u> | Eye Hazard | <u> X </u> | Pulmonary Disfunction (Lung Damage) | <u> X </u> |
| Neurotoxin (Nervous Sys. Damage) | <u> X </u> | Nephrotoxin (Kidney Damage) | <u> </u> | Hepatotoxin (Liver Damage) | <u> X </u> |
| Reproductive Toxin (Birth Defect, Sterility) | <u> </u> | Hematopoietic (Blood Sys. Damage) | <u> </u> | | |

ROUTES OF ENTRY:

Ingestion: Unlikely Inhalation: X Skin Absorption: X Skin/Eye Contact: X

PHYSICAL HAZARDS:

| | | | | | |
|--------------------|---------------|------------------------|---------------|---------------------|---------------|
| Combustible Liquid | <u> </u> | Compressed Gas | <u> </u> | Explosive | <u> </u> |
| Flammable Gas | <u> </u> | Flammable Liquid/Solid | <u> </u> | Organic Peroxide | <u> </u> |
| Oxidizer | <u> </u> | Pyrophoric | <u> </u> | Unstable (Reactive) | <u> </u> |
| Water reactive | <u> </u> | | | | |

SECTION XII – Disclaimer:

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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END OF MSDS