MATERIAL SAFETY DATA

PRODUCT IDENTIFICATION

TRADEMARK: RUBYFLUID SOLDERING PASTE

WARNING
MAY CAUSE EYE AND SKIN IRRITATION
KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

HAZARDOUS INGREDIENTS

<table>
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<tr>
<th>COMPONENT</th>
<th>CAS NO.</th>
<th>%</th>
<th>TWA/CEILING</th>
<th>REFERENCE</th>
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<tbody>
<tr>
<td>ZINC CHLORIDE</td>
<td>76446-85-7</td>
<td>&gt;25</td>
<td>1 PPM</td>
<td>OSHA</td>
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<td>(70 Degree Be’ Solution)</td>
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HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE
Eye irritation with discomfort, tearing, or blurring of vision; skin irritation with discomfort or rash; or irritation of upper respiratory passages. Higher exposures may lead to these effects: skin burns or ulceration; eye irritation with discomfort, tearing, or blurring of vision; temporary lung irritation effects with cough, discomfort, difficulty breathing, or shortness of breath; possibly modest initial symptoms, followed in hours by severe shortness of breath, requiring prompt medical attention; or fatality from gross overexposure by fume inhalation or by significant ingestion. There are inconclusive or unverified reports of human sensitization. Individuals with preexisting diseases of the lungs may have increased susceptibility to the toxicity of excessive exposures.

FIRST AID
In case of eye contact, immediately irrigate with plenty of water for 15 minutes. In case of skin contact, wash affected areas of skin with soap and water. If inhaled, remove to fresh air immediately. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. If swallowed do not induce vomiting. Give large quantities of water or milk. Call a physician. Never give anything by mouth to an unconscious person.

EXPOSURE CONTROL METHODS

Engineering controls are not usually necessary, if good hygiene practices are strictly followed. Respiratory protection is generally not required during normal operations. Wear the following as necessary to prevent skin contact: work pants, long sleeve work shirt and imperious gloves. For operations where eye or face contact can occur, wear chemical splash proof goggles. Provide eyewash fountain and safety shower in close proximity to points of potential exposure.

FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT: 400 Degree F
FLAMMABLE LIMITS: No Data
AUTOIGNITION TEMP: No Data
DECOMPOSITION TEMP: No Data
FIRE FIGHTING: Use dry chemical, foam, or carbon dioxide. May release the following fumes: zinc oxide, carbon monoxide, carbon dioxide, zinc chloride, and hydrogen gas in a fire. See Exposure Control Methods for special protective clothing.
REACTIVITY DATA

STABILITY: Stable
WILL NOT OCCUR
INCOMPATIBILITY: Incompatible with cyanides (may release toxic HCN gas) and sulfide salts (may release toxic H2S). May react with strong oxidizers. Will not occur except at high temp.

PHYSICAL PROPERTIES

APPEARANCE & ODOR: Red paste, essentially odorless
BOILING POINT: > 400 Degrees F
MELTING POINT: > 100 Degrees F
VAPOUR PRESSURE: Not Applicable
SPECIFIC GRAVITY: 1.08
VAPOUR DENSITY: Not Applicable
EVAPORATION RATE: Not Applicable
SOLUBILITY: Complete in hydrocarbons

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Comply with Federal, State, and local regulations on reporting releases. Flush spill area with plenty of water to an approved chemical sewer.

WASTE DISPOSAL
In accordance with applicable government regulations. If approved, may be transferred to a licensed contractor, or flushed to sewer to waste treatment system.

SPECIAL PRECAUTIONS
DO NOT GET IN EYES, ON SKIN, ON CLOTHING
AVOID BREATHING FUMES OR MIST
WASH THOROUGHLY AFTER HANDLING

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