

88930

177576,177587

1a03

MATERIAL SAFETY DATA SHEET

RUBYFLUID

SECTION I - IDENTIFICATION

COMPANY NAME..... RUBY CHEMICAL COMPANY
EMERGENCY PHONE NUMBER... 800-424-9300
EFFECTIVE DATE..... February 2, 1989
REVISED DATE..... March 12, 1992
CHEMICAL NAME.....
TRADE NAME..... RUBYFLUID
CHEMICAL FAMILY.....
CHEMICAL FORMULA.....

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS HAZARDOUS % TLV (Units) PROD. CAS #
Zinc Chloride > 25% 1 ppm 7646-85-7

SECTION III - PHYSICAL DATA

BOILING Point(F)..... 225 Degrees F
FREEZING POINT (F)..... > 30 Degrees F
VOLATILITY/VOL(%)..... 73.5%
MELTING POINT..... Not Applicable
VAPOR PRESSURE (mm Hg)... Unknown
VAPOR DENSITY (Air=1).... 1
SOLUBILITY IN H2O..... Complete
APPEARANCE/ODOR..... Red liquid. essentially odorless
SPECIFIC GRAVITY (H2O=1). 1.26
EVAPORATION RATE..... 1
PH..... 1-2

88930

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... Will not burn
LOWER FLAME LIMIT.....
HIGHER FLAME LIMIT.....
EXTINGUISH MEDIA..... Alcohol foam or carbon dioxide or dry chemical.
FOR FIRE..... Wear self-contained breathing apparatus with a full
facepiece operated in pressure-demand or other
positive pressure mode when fighting fires.
UNUSUAL FIRE HAZARD..... None known

SECTION V - HEALTH HAZARD DATA

NATURE OF HAZARD.....

88930

203

MATERIAL SAFETY DATA SHEET

RUBYFLUID

OVER EXPOSURE EFFECTS.... Eye, skin, and respiratory irritation. Higher exposure may lead to skin burns, blurred vision, lung irritation, breathing difficulty. Individuals with preexisting diseases of the lungs may have increased susceptibility to these conditions.

FIRST AID PROCEDURES..... EYES: Immediately flush with water for at least 15 minutes while lifting upper and lower eyelids. Do not use chemical antidote. If redness or irritation persists, get medical attention.

SKIN: Thoroughly flush with water. If redness or irritation persists, get medical attention. Remove contaminated clothing and wash before reuse. Discard contaminated shoes.

INHALATION: If affected remove to fresh air. If not breathing, give artificial respiration and get medical attention immediately. If breathing is difficult, get medical attention.

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY..... Stable

CONDITIONS TO AVOID.....

INCOMPATIBLE MATERIALS... Incompatible with Cyanides (may release toxic HCN gas) and Sulfide Salts (may release toxic H2S)

DECOMPOSITION PRODUCTS... Will not occur except at high temperatures

HAZARDOUS POLYMERIZATION. Will not occur

CONDITIONS TO AVOID.....

SECTION VII - SPILL OR LEAK PROCEDURE

FOR SPILL Comply with Federal, State and Local regulations on reporting releases. Flush soil with plenty of water to an approved chemical sewer.

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

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION... If TLV of the product or any component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised.

88930

3aj3

MATERIAL SAFETY DATA SHEET

RUBYFLUID

VENTILATION..... Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV (s).

PROTECTIVE GLOVES..... Wear chemical resistant gloves such a neoprene

EYE PROTECTION..... Chemical splash goggles in compliance with OSHA regulations are advised, however, OSHA regulations also permit other type safety glasses. (Consult your safety equipment supplier)

OTHER PROTECTIVE EQUIPMENT..... To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

HANDLING AND STORAGE..... Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, impervious gloves and other necessary protective equipment. Wash thoroughly after handling.

Use or store with adequate ventilation. Refer to applicable OSHA regulations. Keep workplace airborne concentrations below legal and recommended limits. Circumstances could require use of respiratory protection.

Do not transfer to unmarked container. Keep container closed. Never use pressure to empty. Empty containers may contain hazardous product residues. Keep closure end up. Loosen closure carefully.

=====
 SECTION IX - SPECIAL PRECAUTIONS
 =====

HAZARD CLASS.....

DOT SHIPPING NAME..... FLUX, SOLDERING (SOLDERING SALTS) NOI, LIQUID: ITEM #71690, SUB 2, CLASS 070

NPCA-HMIS RATINGS..... Health-2
 Flammability-0
 Reactivity-1

UN NUMBER.....

NA #.....

PACKAGING SIZE.....

FOOT NOTES FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN!!

REFERENCES

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current and suitable to their circumstances.