CHCRY Cryolite

MATERIAL SAFETY DATA SHEET

IS MSDS COMPLIES WITH OSHA'S
ZARD COMMUNICATION STANDARD,
29 CFR 1910. 1200. CONSULT
STANDARDS FOR SPECIFIC REQUIREMENTS

THE R.J. MARSHALL COMPANY 26776 W. TWELVE MILE ROAD SOUTHFIELD, MI 48034-7807 (810) 353-4100 (800) 338-7900

FAX (810) 948-6460

MSDS # F3

TRADE NAME: K910, K920

FAMILY NAME: SYNTHETIC CRYOLITE

SECTION I MANUFACTURERS INFO

MANFACTURER: R. J. Marshall Co. ADDRESS: 26776 W.Twelve Mile

ADDRESS:

CITY: Southfield

STATE: MI

ZIP 48034-7807

EMERGENCY PHONE: 800-424-9300 INFORMATION PHONE: 810-353-4100 DATE PREPARED: 10/28/94 PREPARER: GEORGE J. MICHAELS

SECTION II HAZARD INGREDIENTS/IDENTITY INFORMATION

CAS NUMBER: 15096-52-3 PRODUCT CODE:

CHEM. FAMILY: SYNTHETIC CRYOLITES DOT CLASS: NOT REGULATED

MOLECULAR FORM .:

MOLECULAR WT.:

DOT SHIP NAME:

NGREDIENT CAS# % OSHA-PEL ACGIH-TLV

1 BLENDED 1 15096-52-3 1 100 1

NOTE: CHEMICAL ANALYSIS IS BEING WITHHELD AS A TRADE SECRET, REFER TO TRADE SECRET IN HAZARDOUS COMMUNICATION STANDARD CFR 29-(1910.1200).

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A SPECIFIC GRAVITY: 2.95

VAPOR PRESSURE: N/A MELTING POINT: 1027 DEGREES C

VAPOR DENSITY: N/A EVAPORATION RATE: N/A

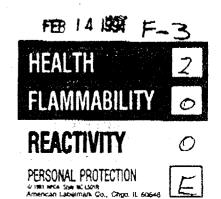
SQLUBILITY/WATER: .04 grams dissolve in 100 grams of water AT 20 DEGREES C

APPEARANCE AND ODOR: GRAYISH-WHITE POWDER ODORLESS

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT, OC (OF): N/A

PAGE 1 OF 4



FLAMMABILITY CLASSIFICATION: N/A

UTOIGNITION TEMPERATURE: N/A

FLAMMABILITY LIMITS IN AIR: N/A

EXTINGUISHING MEDIA

N/A

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water as an extinguishing agent.

UNUSUAL FIRE AND EXPLOSION HAZARDS

In presence of fire, avoid exposing powder to water. Water plus 1200+ Degrees C starts reaction to form flouride-containing gases including hydrogen flouride.

SECTION V PRODUCT HEALTH HAZARD INFORMATION

COMMENTS: Acute exposure can cause health problems see exposures and firstaid.

CARCINOGENCITY: NPT N/A IARC MONOGRAPH N/A

OSHA REG

SEE COMMENTS ABOVE

ROUTE OF EXPOSURE

*NGESTION

Ingestion can cause abdominal pain, diarrhea, vomiting, thirst, and painful limb spasms. Lethal dose is 10 grams.

SKIN

Exposure can cause irritation.

EYES

Acute exposure can cause may cause irritation and abrasion damage to cornea. may cause tearing and redness of eyes.

INHALATION

Acute exposure may cause damage to bone and cartilage due to flouride deposition, resulting in flourosis and stiff joints.

SECTION VI EMERGENCY AND FIRST AID

INGESTION

Induce vomiting and get immediate medical attention.

PAGE 2 OF 4

SKIN CONTACT

Wash affected area with warm water and mild soap.

EYE CONTACT

Irrigate with water, if irritation persist, get medical attention.

INHALATION

In case of discomfort from exposure to high dust concentration, move out of exposed area.

SECTION VII REACTIVITY DATA

STABILITY/INCOMPATTRILITY

Strong caustic or acids may react to release flouride fumes.

HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS Hydrogen flouride and/or sulphur gases.

SECTION VIII CONTROL MEASURES

STEPS FOR CONTROLLING SPILLAGE

Small spills, transfer to appropriate container. Large spills, prevent runoff to watershed. Contain area of spill and collect material in sealable containers.

WASTE DISPOSAL METHOD

SECTION IX PERSONAL PROTECTION INFORMATION

EYE PROTECTION

Safety glasses or goggles

SKIN PROTECTION

Wear protective covering to minimize skin exposure.

RESPIRATORY PROTECTION

MSHS/NIOSH approvedbreathing apparatus

PAGE 3 OF 4

SECTION X SPECIAL PRECAUTIONS

ANDLIND AND STORAGE

Material has a tendency to absorb moisture and should be stored in a dry location. Local exhaust recommended.

TRANSPORATION REQUIREMENTS None

1 % 735

DISCLAIMER

Information contained herein is presented in good faith and is based on data believed to be accurate. However, no warranty is expressed or implied regarding this information or the results obtained from the use of this MATERIAL SAFETY DATA SHEET, whether it originates with the R. J. Marshall Co. or others. This Material Safety Data Sheet relates only to the specific material desinguated herein and does not relate to use with other material or processes. This information is supplied with the condition that the user will make appropriate determination as to its suitability for their purpose prior to using it. The R.J. Marshall Co. assumes no legal responsibility for use or reliance upon this document.

CALIFORNIA PROPOSITION 65 STATEMENT

PAGE 4 OF 4