

MATERIAL SAFETY DATA SHEET

IS MSDS COMPLIES WITH OSHA'S
HARD COMMUNICATION STANDARD,
29 CFR 1910.1200. CONSULT
STANDARDS FOR SPECIFIC REQUIREMENTS

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MSDS # F3
TRADE NAME: K910, K920
FAMILY NAME: SYNTHETIC CRYOLITE

SECTION I MANUFACTURERS INFO

MANUFACTURER: 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:

INGREDIENT	CAS#	%	OSHA-PEL	ACGIH-TLV
1 BLENDED	1 15096-52-3	1 100 1		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

SOLUBILITY/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

FEB 14 1994 F-3

HEALTH

2

FLAMMABILITY

0

REACTIVITY

0

PERSONAL PROTECTION

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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 first-aid.

CARCINOGENCITY: NPT N/A IARC MONOGRAPH N/A

OSHA REG
SEE COMMENTS ABOVE

ROUTE OF EXPOSURE

INGESTION

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.

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/INCOMPATIBILITY**

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 approved breathing apparatus

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

DISCLAIMER

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CALIFORNIA PROPOSITION 65 STATEMENT