

CHROMIUM (III) OXIDE

MSDS Number

BLWCK

National Stock Number

6810-00-982-5125

Product Name

CHROMIUM (III) OXIDE

Manufacturer

SHAPE PRODUCTS

Product Identification

Product ID:CHROMIUM (III) OXIDE

MSDS Date:01/31/1992

FSC:6810

NIIN:00-982-5125

MSDS Number: BLWCK

Responsible Party

SHAPE PRODUCTS

1127 57TH AVE.

OAKLAND , CA 94621-4427

US

Emergency Phone: 415-534-1186

Info Phone: 415-534-1186

Preparer: DGSC-SSH

Cage: 3D869

Contractor

SHAPE PRODUCTS

OAKLAND, CA 94621-4427

US

510-534-1186 OR 800-444-0015

Cage: 3D869

Ingredients

CHROMIUM OXIDE

CAS: 1308-38-9

RTECS: GB6475000

Fraction By Weight: 99%+

OSHA PEL0.5 MG(CR)/M3

ACGIH TLV: 0.5 MG(CR)/M3 9192

Hazards

LD50 LC50 Mixture:TLV-TWA 500 UG(CR)/M3

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:CAUSES IRRITATION. MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. MAY CAUSE ALLERGIC SKIN REACTION.

Explanation of Carcinogenicity:IARC STUDIES: ANIMAL INDEFINITE

Effects of Overexposure:CAUSES IRRITATION. MATERIAL IS IRRITATING TO

MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. MAY CAUSE ALLERGIC SKIN REACTION.

Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE LUNGS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid

First Aid: EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE. INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. RINSE MOUTH & DRINK LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION.

Fire Fighting

Flash Point: NONE

Autoignition Temp: Autoignition Temp Text: NONE

Lower Limits: NONE

Upper Limits: NONE

Extinguishing Media: NONCOMBUSTIBLE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Unusual Fire/Explosion Hazard: NONE

Accidental Release

Spill Release Procedures: VENTILATE AREA & WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. SWEEP UP, PLACE IN A BAG & HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES AS REQUIRED. Neutralizing Agent: NONE NORMALLY REQUIRED.

Handling

Handling and Storage Precautions: USE ONLY IN A CHEMICAL FUME HOOD.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT BREATHE DUST.

KEEP CONTAINER TIGHTLY CLOSED: HYGROSCOPIC.

Other Precautions: USE OSHA/MSHA APPROVED RESPIRATOR IN NON-VENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE TLV.

Exposure Controls

Respiratory Protection: WEAR A NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE RESPIRATOR WITH A HIGH-EFFICIENCY PARTICULATE FILTER.

Ventilation: LOCAL AND MECHANICAL (GENERAL) EXHAUST TO PROVIDE ADEQUATE VENTILATION.

Protective Gloves: NEOPRENE GAUNTLET RUBBER GLOVES

Eye Protection: SAFETY GLASSES - CHEMICAL SPLASH GOGGLES

Other Protective Equipment: WEAR INDUSTRIAL WORK CLOTHING. USE RUBBER APRON OR BOOTS IF NEEDED. HAVE EMERGENCY EYE WASH AND SAFETY SHOWER AVAILABLE.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MIST. DO NOT INGEST. READ PRECAUTIONS ON LABEL BEFORE USE.

Chemical Properties

HCC: N1

Boiling Pt: B.P. Text: 7232F, 4000C

Melt/Freeze Pt: M.P/F.P Text: 4415F, 2435C

Vapor Pres: 0

Vapor Density: NIL

Spec Gravity: 5.04

Evaporation Rate & Reference: 0

Solubility in Water: APPRECIABLE

Appearance and Odor: BRIGHT GREEN, EXTREMELY HARD CRYSTALS. NO ODOR

Percent Volatiles by Volume: 0

Stability

Stability Indicator/Materials to Avoid: YES
MOISTURE, GLYCEROL, OXYGEN DIFLUORIDE AND LITHIUM
Hazardous Decomposition Products: TOXIC FUMES

Disposal

Waste Disposal Methods: BURY IN A LANDFILL SITE APPROVED FOR THE
DISPOSAL OF CHEMICAL AND HAZARDOUS WASTE IN ACCORDANCE WITH ALL
LOCAL, STATE AND FEDERAL REGULATIONS.

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