

ZINC OXIDE GRADE CR-40

MSDS Number

BLGFZ

National Stock Number

6850-00N018953

Product Name

ZINC OXIDE GRADE CR-40

Manufacturer

G H CHEMICALS LTD

Product Identification

Product ID:ZINC OXIDE GRADE CR-40

MSDS Date:10/18/1989

FSC:6850

NIIN:00N018953

MSDS Number: BLGFZ

Responsible Party

G H CHEMICALS LTD

1550 BROUILLETTE ST

ST HYACINTHE , PQ

CA

Emergency Phone: 514-774-9151

Info Phone: 514-774-9151

Cage: GHCHM

Contractor

G H CHEMICALS LTD

456

ST HYACINTHE

CA

514-774-9151

Cage: GHCHM

Ingredients

ZINC OXIDE

CAS: 1314-13-2

RTECS: ZH4810000

Fraction By Weight: +99.8%

OSHA PEL15MG/M3 TDUST/5 FUME

ACGIH TLV: 10MG/M3 TDUST; 9293

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE:INHAL:ZINC OXIDE DUST WHICH IS

NOT FRESHLY FORMED IS VIRTUALLY INNOCUOUS. INHAL FRESHLY FORMED

ZINC OXIDE FUMES MAY CAUSE FLU LIKE ILLNESS CALLED METAL FUME

FEVER. SYMP:SWEAT/ SHIVER/HDCH/FEVER/ CHILLS/THIRST, MUSCLE ACHES,

NAUS, VOMIT, WEAK, & TIREDNESS. SYMP OCCUR 4 TO 12 HR AFTER EXPOS

&(SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:USUALLY LAST UP TO 24 HR. SKIN: SHORT TERM EXPOS DOES NOT CAUSE SYMP OF SKIN IRRIT. EYE:SHORT TERM EXPOS MAY CAUSE MILD IRRIT. CHRONIC:THERE ARE NO CUMULATIVE EFTS AS RSLTH OF LONG TERM EXPOS TO ZINC OXIDE DUST/FUMES. SKIN:OCCUP DERM(OXIDE POX) CAN OCCUR IN CASES WHERE ZINC OXIDE DUST COMBINES W/DEBRIS(SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INHAL: IF EXPOSED TO AMOUNTS OF ZINC OXIDE FUME ABOVE TLV LIMITS, MOVE VICTIM TO FRESH AIR. TREAT ACCORDING TO THE SYMPTOMS. SKIN: WASH CONTACTED AREA THOROUGHLY WITH NON-ABRASIVE SOAP AND WATER. IF S KIN IRRITATION OCCURS AND PERSISTS, SEEK MED ADVICE. EYE: IF IRRITATION OCCURS, FLUSH CONTAMD EYE WITH LUKEWARM GENTLY FLOWING WATER FOR AT LEAST 20 MIN. IF IRRITATION PERSISTS, OBTAIN MED ATTN IMMED.

Fire Fighting

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Accidental Release

Spill Release Procedures:SHOVEL SPILLED PRODUCT INTO CLEAN, DRY LABELLED CONTAINERS AND COVER. SWEEP AND/OR FLUSH AREA CLEAN WITH WATER. PROVIDE ADEQUATE VENTILATION TO PREVENT DUST ACCUMULATION DURING CLEANUP.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE IN ZINC OXIDE AWAY FROM ITS INCOMP MATL. STORE IN SUITABLE/LBLD CONTR IN DRY PLACE. KEEP CONTR TIGHTLY CLSD WHEN NOT IN USE & WHEN (SUPP DATA)

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED DUST MASK OR MECHANICAL FILTER RESPIRATOR.

Ventilation:PROVIDE LOCAL EXHAUST &/OR GENERAL MECHANICAL VENTILATION TO ADEQUATELY PREVENT BUILDUP OF DUST OR FUMES ABOVE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MATL TO AVOID: STRONG ACIDS: MAY REACT VIGOROUSLY. STRONG BASES: FORMS WATER SOLUBLE ZINCATES. EFTS OF OVEREXP: & BACTERIAL TO BLOCK SWEAT GLANDS ON THE SKIN AS A RESULT OF POOR PERSONAL HYGIENE. HNDL G/STOR PREC: EMPTY. AVOID GENERATING DUST.

Chemical Properties

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:3587F,1975C

Spec Gravity:5.65

pH:7.40

Solubility in Water:INSOLUBLE

Appearance and Odor:FINE, WHITE POWDER, ODORLESS.

Stability

Stability Indicator/Materials to Avoid:YES

CHLORINATED RUBBER:REACTS VIOLENTLY W/ZINC OXIDE @ 215C. MAGNESIUM:CAN REACT EXPLOS W/ZINC OXIDES WHEN HEATED.(SUPDAT)

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:NONE.

Disposal

Waste Disposal Methods:RECYCLE USED SPILL PROD IF IN ACCEPTABLE CNDTN.

OTHERWISE, DISPOSE ACCORDING TO APPLICABLE REGULATIONS &/OR CONTACT MANUFACTURER FOR ASSISTANCE AND ADVICE CONCERNING DISPOSAL. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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