

ZINC OXIDE GRADE CR-44

MSDS Number

BLGGB

National Stock Number

6850-00N018954

Product Name

ZINC OXIDE GRADE CR-44

Manufacturer

G H CHEMICALS LTD

Product Identification

Product ID:ZINC OXIDE GRADE CR-44

MSDS Date:10/18/1989

FSC:6850

NIIN:00N018954

MSDS Number: BLGGB

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:YES

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. INHALING FRESHLY FORMED ZINC OXIDES FUMES MAY CAUSE FLU LIKE ILLNESS CALLED METAL FUME FEVER. SYMP:SWEAT/ SHIVER/HDCH/FE VER/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. THERE ARE NO CUMULATIVE EFTS AS RSLT OF LONG TERM EXPOS TO ZI NC OXIDE DUST/FUMES. SKIN: OCCUP DERM(OXIDE POX) CAN OCCUR IN CASES WHERE ZINC OXIDE DUST COMBINES W/DEBRIS &(SUPP DATA)

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 SYMPTOMS. SKIN: WASH CONTACTED AREA THOROUGHLY WITH NON-ABRASIVE SOAP AND WATER. IF SKIN 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 IRRIT 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 GEN MECH VENTILATION TO ADEQUATELY PREVENT BUILDUP OF DUST OR FUMES ABOVE APPROVED 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

MATLS TO AVOID: STRONG ACIDS: MAY REACT VIGOROUSLY. STRONG BASES: FORMS WATER SOLUBLE ZINCATES. EFTS OF OVEREXP: BACTERIA TO BLOCK SWEAT GLANDS ON THE SKIN AS A RESULT OF POOR PERSONAL HYGIENE. HNDLG/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 OXIDE WHEN HEATED.(SUPDAT)

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:NONE.

Disposal

Waste Disposal Methods:RECYCLE USED SPILLED PRODUCT IF IN ACCEPTABLE

CONDITION. OTHERWISE, DISPOSE ACCORDING TO APPLICABLE REGULATIONS AND/OR CONTACT MANUFACTURER FOR ASSISTANCE AND ADVICE CONCERNING DISPOSAL. DISPOSE OF I/ A/W FEDERAL, STATE AND LOCAL REGS .

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.