



ZINC OXIDE GRADE CR-4

MSDS Number

BBJXW

National Stock Number

6850-00F001793

Product Name

ZINC OXIDE GRADE CR-4

Manufacturer

G H CHEMICALS LTD

Product Identification

Product ID: ZINC OXIDE GRADE CR-4

MSDS Date: 05/29/1989

FSC: 6850

NIIN: 00F001793

MSDS Number: BBJXW

Responsible Party

G H CHEMICALS LTD

1550 BROUILLETTE ST

ST HYACINTHE

CN

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

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

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

Health Hazards Acute and Chronic: EYE: IRRITATION. INHALATION: METAL FUME FEVER. SYMPTOMS OCCUR 4 TO 12 HOURS AFTER EXPOSURE/LAST UP TO 24 HOURS. SKIN: OCCUPATIONAL DERMATITIS (OXIDE POX) OCCURS WHEN ZINC OXIDE DUST COMBINES W/DEBRIS/ BACTERIA TO BLOCK SWEAT GLANDS AS A RESULT OF POOR PERSONAL HYGIENE.

Explanation of Carcinogenicity: NONE



Effects of Overexposure: THERE ARE NO CUMULATIVE EFFECTS AS A RESULT OF LONG TERM EXPOSURE TO ZINC OXIDE DUST OR FUMES.

First Aid

First Aid: INHALATION: REMOVE TO FRESH AIR. TREAT ACCORDING TO THE SYMPTOMS. SKIN: WASH THOROUGHLY W/NON-ABRASIVE SOAP & WATER. EYES: FLUSH W/LUKEWARM GENTLY FLOWING WATER FOR 20 MINS. OBTAIN MEDICAL ATTENTION I N ALL CASES.

Fire Fighting

Unusual Fire/Explosion Hazard: REACTS VIOLENTLY W/CHLORINATED RUBBER; EXPLOSIVELY W/MAGNESIUM; VIGOROUSLY W/STRONG ACIDS; FORMS WATER SOLUBLE ZINCATES W/STRONG BASES.

Accidental Release

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

Handling

Handling and Storage Precautions: STORE ZINC OXIDE AWAY FROM ITS INCOMPATIBLE MATERIALS. STORE IN SUITABLE, LABELLED CONTAINERS IN DRY PLACE.

Other Precautions: KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE & WHEN EMPTY. AVOID GENERATING DUST. ZINC OXIDE FUMES OCCUR ONLY DURING THE FORMATION OF ZINC OXIDE FROM ZINC METAL.

Exposure Controls

Respiratory Protection: DUST MASK OR MECHANICAL FILTER RESPIRATOR.
Ventilation: LOCAL EXHAUST/GENERAL MECHANICAL: TO PREVENT BUILDUP OF DUST OR FUMES ABOVE APPROVED LIMITS.

Protective Gloves: REQUIRED

Eye Protection: SAFETY GOGGLES

Work Hygienic Practices: PRACTICE GOOD PERSONAL HYGIENE.

Supplemental Safety and Health

THIS PRODUCT CAN BE USED AS A PIGMENT IN PAINT/INK/PLASTICS/ENAMEL, ACTIVATOR IN RUBBER, PHARMACEUTICAL IN ANTISEPTIC/ASTRINGENT/TOPICAL PROTECTANT, OR IN COSMETICS, CERAMICS, GLASS ADHESIVES, & ELECT RONICS.

Chemical Properties

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

Spec Gravity: 5.65

pH: 7.4

Solubility in Water: INSOLUBLE

Appearance and Odor: FINE, WHITE POWDER, ODORLESS.

Stability

Stability Indicator/Materials to Avoid: YES

CHLORINATED RUBBER/MAGNESIUM/STRONG ACIDS & BASES

Stability Condition to Avoid: REACTS VIOLENTLY W/CHLORINATED RUBBER AT 215C.

Hazardous Decomposition Products: WATER SOLUBLE ZINCATES

Disposal

Waste Disposal Methods: RECYCLE USED SPILLED PRODUCT IF IN ACCEPTABLE CONDITION. OTHERWISE, DISPOSE ACCORDING TO APPLICABLE FEDERAL, STATE, & LOCAL REGULATIONS.

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