

ZINC OXIDE GRADE CR-41

MSDS Number

BHSPW

National Stock Number

6810-00F010499

Product Name

ZINC OXIDE GRADE CR-41

Manufacturer

G H CHEMICALS LTD

Product Identification

Product ID:ZINC OXIDE GRADE CR-41

MSDS Date:05/29/1989

FSC:6810

NIIN:00F010499

MSDS Number: BHSPW

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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