

ZINC OXIDE KADOX 930CO

MSDS Number

BLCSW

National Stock Number

6505-00N019254

Product Name

ZINC OXIDE KADOX 930CO

Manufacturer

ZINC CORP OF AMERICA

Product Identification

Product ID:ZINC OXIDE KADOX 930CO

MSDS Date:01/03/1990

FSC:6505

NIIN:00N019254

MSDS Number: BLCSW

Responsible Party

ZINC CORPORATION OF AMERICA

300 FRANKFORT ROAD

MONACA , PA 15061

US

Emergency Phone: 412-774-1020;800-424-9300(CHEMTREC)

Info Phone: 412-774-1020

Cage: HO977

Contractor

ZINC CORPORATION OF AMERICA

MONACA, PA 15061

US

412-774-1020

Cage: HO977

Ingredients

ZINC OXIDE

CAS: 1314-13-2

RTECS: ZH4810000

Fraction By Weight: 99.3%

OSHA PEL15MG/M3 TDUST/5 FUME

ACGIH TLV: 10MG/M3 TDUST; 9293

LEAD (SARA III)

CAS: 7439-92-1

RTECS: OF7525000

Fraction By Weight: 0.0025%

OSHA PEL0.05 MG/M3;1910.1025

ACGIH TLV: 0.15 MG/M3;DUST 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

CADMIUM (SARA III)

CAS: 7440-43-9

RTECS: EU9800000

Fraction By Weight: 0.01%

OSHA PELSEE 1910.1027

ACGIH TLV: 0.01 MG/M3 DUST;9394

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

PROPIONIC ACID (SARA III)

CAS: 79-09-4

RTECS: UE5950000

Fraction By Weight: 0.20%

OSHA PEL10 PPM

ACGIH TLV: 10 PPM; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:INHAL OF HIGH LEVELS OF ZINC OXIDE MAY RESULT IN TIGHTNESS OF CHEST, METALLIC TASTE, COUGH, DIZZ, FEVER, CHILLS, HDCH, NAUSEA & DRY THROAT. OVEREXPOS MAY PRDCE SYMPS KNOWN AS METAL FUME FEVER OR "ZINC SHAKES", AN ACUTE, SELF-LIMITING COND W/O RECOGNIZED COMPLICATIONS. SYMPS OF METAL FUME FEVER (SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:CADMIUM: CLASS 2(NTP), CLASS 2A(IARC) - (0.01% OF PRODUCT)

Effects of Overexposure:HLTH HAZ:INCOUDE:CHILLS, FEVER, MUSC PAIN, NAUSEA & VOMIT. LIKE ANY FINELY DIVIDED PARTICULATE MATTER, ZINC OXIDE MAY CAUSE MECH IRRIT TO SKIN & EYES. CHRONIC EXPOS TO ZINC OXIDE MAY CAUSE RESP TRACT IRRIT W/NASOPHARYNGITIS & LARYNGITIS. HOWEVER, ZINC OXIDE IS ESSENTIAL SUBSTANCE FOR HUMANS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:SKIN:FLUSH AREAS W/LG AMTS OF WATER. EYE: FLUSH W/COPIOUS AMTS OF WATER FOR AT LEAST 15 MIN. INHAL:SYMPS RESULTING FROM OVEREXPOS USUALLY DISAPPEAR W/I 24 HRS. SYMPTOMATIC TREATMENT, SUCH AS BED REST & POSS ASPIRIN IS RECOMMENDED TO PROVIDE RELIEF FROM FEVER & CHILLS. REMOVE TO FRESH AIR. SUPPORT BRTHG (GIVE O2/ARTF RESP), CALL MD . INGEST:CALL MD IMMEDIATELY .

Fire Fighting

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, OR CARBON DIOXIDE EXTINGUISHER TO THE CONTAINER.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . NFPA FLAMMABILITY (FIRE) RATING IS: 0.

Unusual Fire/Explosion Hazard:NONE

Accidental Release

Spill Release Procedures: AS W/ANY NUISANCE DUST, AVOID EXCESSIVE DUSTING.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions: STORE IN DRY WELL-VENTILATED AREAS AWAY FROM FIRE AND HEAT.

Other Precautions: AVOID PROLONGED CONTACT WITH SKIN.

Exposure Controls

Respiratory Protection: USE NIOSH/MSHA APPROVED TYPE RESPIRATOR FOR PROTECTION FOR DUSTING CONDITIONS.

Ventilation: LOCAL EXHAUST OR OTHER VENTILATION THAT WILL REDUCE DUST CONCENTRATIONS TO LESS THAN PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves: IMPERVIOUS GLOVES .

Eye Protection: CHEMICAL WORKERS GOGGLES .

Other Protective Equipment: BARRIER CREAMS MAY HELP PREVENT SKIN IRRITATION IN HYPERSENSITIVE INDIVIDUALS.

Work Hygienic Practices: PRACTICE GOOD PERSONAL HYGIENE WHEN WORKING IN AREAS WHERE THIS MATERIAL IS USED.

Supplemental Safety and Health

LEAD AND CADMIUM ARE INHERENT IN THE MANUFACTURE OF ZINC AND ARE NOT PHYSICALLY ADDED IN THE MANUFACTURE OF ZINC OXIDE.

Chemical Properties

HCC: N1

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

Spec Gravity: 5.61

Solubility in Water: NEGLIGIBLE

Appearance and Odor: WHITE POWDER W/MILD VINEGAR TYPE ODOR (C SUFFIX MEANS COATED).

Stability

Stability Indicator/Materials to Avoid: YES
NONE KNOWN.

Stability Condition to Avoid: NONE

Hazardous Decomposition Products: NONE

Disposal

Waste Disposal Methods: DISPOSE IN CLOSED CNTNR OR HEAVY BAG. MATL MAY BE RECYCLED OR DISPOSED OF I/A/W FEDERAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS. MATL MAY BE REGULATED UNDER CERCLA, TSCA, SARA &/OR RCRA REGULATIONS.

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