

FISHER SCIENTIFIC -- Z-20, ZINC ACETATE DIHYDRATE -- 6810-00-270-3257

===== Product Identification =====

Product ID:Z-20, ZINC ACETATE DIHYDRATE

MSDS Date:07/08/1988

FSC:6810

NIIN:00-270-3257

MSDS Number: BPBKY

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100;80

0-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

===== Composition/Information on Ingredients =====

Ingred Name:ZINC ACETATE, DIHYDRATE

CAS:5970-45-6

RTECS #:ZG8750000

Fraction by Wt: 100%

Ingred Name:SUPP DATA: MAY CAUSE LIVER DAMAGE AFTER REPEATED OR
PROLONGED EXPOSURE.

RTECS #:9999999ZZ

Ingred

Name:FIRST AID PROC: GLASSES OF H*2O,& INDUCE VOMIT BY TOUCHING
FINGER TO BACK OF THROAT. FROM SITTING POSITION, HEAD (ING 4)
RTECS #:9999999ZZ

Ingred Name:ING 3:MUST BE LOWER THAN HIPS TO PVNT ASPIR.KEEP PATIENT
WARM & AT REST.GET MED ATTN IMMED. ANTIDOTE: GIVE 15-25 (ING 5)
RTECS #:9999999ZZ

Ingred Name:ING 4: MG/KG (0.06-0.125 ML OF 20% SOLN PER KG OF BODY
WEIGHT) CALCIUM DISODIUM EDETATE IN 250-500 ML OF 5% (ING 6)
RTECS #:9999999ZZ

Ingred Name:ING 5: DEXTROSE IV OVER 1-2 HR P
ERIOD TWICE DAILY. MAX DOSE
SHOULD NOT EXCEED 50 MG/KG/DAY. DRUG SHOULD BE GIVEN (ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6: IN 5-DAY COURSES W/REST PERIOD OF AT LEAST 2 DAYS
BETWEEN COURSES. AFTER FIRST COURSE, SUBSEQUENT COURSES (ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7: SHOULD NOT EXCEED 50 MG/KG/DAY. DAILY URINALYSES
SHOULD BE DONE DURING TREATMENT PERIOD. DOSAGE SHOULD BE (ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8: REDUCED IF ANY UNUSUAL URINARY FINDINGS APPEAR. IV
AD
MIN IS CONTRAINDICATED IN PRESENCE OF ELEVATED (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9:CEREBROSPINAL FLUID PRESS.ADMIN OF DRUGS/TREATMENT
SHOULD BE PERFORMED BY QUALIFIED MED PERS. (DREISBACH, (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10: HANDBOOK OF POISONING, 11TH ED.).
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: BICARBONATE. ADD SUITABLE AGENT TO NEUT SPILLED
MATL TO PH-7. USE MECH DREDGES/LIFTS TO EXTRACT (ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12: IMMOBILIZED MASSES OF PO

LLUTION & PRECIPITATES.

OCCUP SPILL: STOP LEAK IF YOU CAN DO IT W/OUT RISK. FOR (ING 14)

RTECS #:9999999ZZ

Ingred Name:ING 13: SML SPILLS, TAKE UP W/SAND/OTHER ABSORB MATL &
PLACE INTO CLEAN, DRY CNTNRS FOR LATER DISP. KEEP UNNEC (ING 15)

RTECS #:9999999ZZ

Ingred Name:ING 14: PEOPLE AWAY. ISOLATE HAZARD AREA AND DENY ENTRY.

RTECS #:9999999ZZ

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50: (ORAL,RAT) 2170 MG/KG.

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:HIGH CONC OF ZINC DUST
MAY PRDCE IRRIT, DYSPNEA,& COUGHING. SKIN:DIRECT CONT MAY CAUSE
IRRIT, REDNESS,& PAIN. EYE: DIRECT CONT MAY CAUSE REDNESS, PAIN,
BLURRED VISION,& CONJUNCT. INGEST: MAY CAUSE GI IRRIT, NAUS,
VOMIT/GI PAIN. METAL SALTS MAY CAUSE BURNING PAIN IN MOUTH/THROAT,
TENESMUS (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: RETCHING, HEMOLYSIS, ANURIA, LIVER
DMG W/JAUNDICE, HYPOTENSION, COLLAPSE & CONVUL. SOL ZINC SALTS MAY
PRDCE IRRIT/CORR OF ALIMENTARY TRACT W/PAIN. DELAYED DEATHS HAVE
BEEN ASCRIBED TO INANIT ION FOLLOWING SEV STRICTURES OF ESOPHAGUS &
PYLORIS. (CHRONIC) SKIN: RPTD/PRLNGD EXPOS TO ZINC SALTS MAY CAUSE
(SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

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First Aid:INHAL: REMOVE FROM EXPOS. IF BRTHG HAS STOPPED, PERFORM ARTF
RESP. GET MED ATTN. SKIN: WASH AFFECTED AREA W/SOAP/MILD DETERGENT
& H*2O UNTIL NO EVIDENCE OF CHEM REMAINS (APPROX 15-20 MIN). GET
MED ATT N. EYE: WASH EYES IMMED W/LRG AMTS OF H*2O FOR AT LEAST 15
MIN, OCCAS LIFTING UPPER/LOWER LIDS, UNTIL NO EVIDENCE OF CHEM
REMAINS. INGEST: IF VICTIM IS CONSCIOUS & NOT CONVUL, IMMED GIVE
2-4 (ING 3)

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===== Fire Fighting Measures =====

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Flash Point:NONCOMBUSTIBLE

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR STD FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG OR STANDARD FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.MOVE CNTNR FROM FIRE AREA IF POSS. DO NOT SCATTER SPILLED MATL W/HIGH PRESS H*2O STREAMS. DIKE FIRE (SUPDAT)

Unusual Fire/Explosion Hazard:MAY BURN BUT DOES NOT IGNITE READILY.

===== Accidental Release Measures =====

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Spill Release Procedures:SOIL SPILL:DIG HOLDING AREA SUCH AS LAGOON, POND/PIT FOR CONTAINMENT. USE PROT COVER SUCH AS PLASTIC SHEET TO PVNT MATL FROM DISSOLVING IN FIRE EXTING H*2O/RAIN. H*2O SPILL: NEUT W/AGRICULTURAL LIME, SLAKED LIME, CRUSHED LIMESTONE/SODIUM (ING 12)

Neutralizing Agent:AGRICULTURAL LIME, SLAKED LIME, CRUSHED LIMESTONE, OR SODIUM BICARBONATE.

===== Handling and Storage =====

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:MAY BURN BUT DOES NOT IGNITE READILY.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:HIGH LEVELS: NIOSH/MSHA APPROVED DUST MASK. FIRE FIGHTING: NIOSH/MSHA APPROVED SCBA WITH FULL FACEPIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

Ventilation:PROVIDE GENERAL DILUTION VENTILATION.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEM WORK GOG/FULL LGTH FACESHLD .

Other Protect

ive Equipment:APPROP PROT (IMPERVIOUS) CLTHG & EQUIP. EYE WASH FOUNTAIN AND QUICK DRENCH SHOWER.

Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN.

Supplemental Safety and Health

FIRE FIGHT PROC:CNTRL H*2O FOR LATER DISP. USE AGENTS SUITABLE FOR TYPE OF SURROUNDING FIRE. AVOID BRTHG HAZ VAPS, KEEP UPWIND. EFTS OF OVEREXP: DERM W/ERYTHEMATOUS, PAPULAR, & GRANULOMATOUS RXNS IN R XNS IN SUSCEPTIBLE INDIV. EYE: RPTD/PRLNGD EXPOS MAY CAUSE CONJUNCT. INGEST: NO DATA AVAIL,

HOWEVER, METAL SALTS (ING 2)

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Text:459F,237C

Spec Gravity:1.7

Solubility in Water:31.1%

Appearance and Odor:WHITE CRYSTALLINE SOLID WITH FAINT, ACETOUS ODOR AND ASTRINGENT TASTE.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

MAY RELEASE TOXIC FUMES OF ZINC OXIDE AND CARBON OXIDES UNDER THERMAL DECOMPOSITION.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE ACRID SMOKE AND FUMES OF ZINC OXIDES.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS .

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