

FISHER SCIENTIFIC CO. CHEMICAL MFG DIV -- T142-500,TIN (II) CHLORIDE DIHYDRATE --
6810-01-458-4011

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

Product ID:T142-500,TIN (II) CHLORIDE DIHYDRATE

MSDS Date:12/12/1997

FSC:6810

NIIN:01-458-4011

Status Code:A

MSDS Number: CKPRX

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:2

01-796-7100

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

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:TIN (II) CHLORIDE DIHYDRATE

CAS:10025-69-1

Code:F

RTECS #:XP8850000

> Wt:98.

Other REC Limits:2 MG/M3 AS SN,NIOSH

OSHA PEL:2 MG/M3 AS TI

N

ACGIH TLV:2 MG/M3 AS TIN

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

LD50 LC50 Mixture:NOT AVAILABLE

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

Health Hazards Acute and Chronic:POTENTIAL HEALTH EFFECTS: EYE: MAY

CAUSE EYE IRRITATION AND POSSIBLE BURNS. SKIN: CONTACT WITH SKIN CAUSES IRRITATION AND POSSIBLE BURNS, ESPECIALLY IF THE SKIN IS WET OR MOIST. INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION WITH NAUSEA,VOMITING AND DIARRHEA. MAY C

AUSE BURNS TO THE DIGESTIVE

TRACT, SYSTEMIC TOXIC EFFECTS ON THE CENTRAL NERVOUS SYSTEM, HEART AND LIVER. INHALATION: INHALATION MAY LEAD TO CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. MAY CAUSE SEVERE IRRITATION WITH PAIN, BURNS AND INFLAMMATION. MAY CAUSE EFFECTS SIMILAR TO THOSE DESCRIBED FOR INGESTION. CHRONIC: NO INFORMATION FOU ND.

Explanation of Carcinogenicity:NOT LISTED BY ACGIH, IARC, NIOSH, NTP, OR OSHA.

Effects of Overexposure:EYE: MAY CAUSE EYE IRRITATION AND POSSIBLE

BURNS. SKIN: CONTACT WITH SKIN CAUSES IRRITATION AND POSSIBLE BURNS, ESPECIALLY IF THE SKIN IS WET OR MOIST. INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION WITH NAUSEA,VOMITING AND DIARRHEA. MAY CAUSE BURNS TO THE DIGESTIVE TRACT. INHALATION: INHALATION MAY LEAD TO CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. MAY CAUSE SEVERE IRRITATION WITH PAIN, BURNS AN D INFLAMMATION.

Medical Cond Aggravated by Exposure:NOT PROVIDED

===== First Aid Measure

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First Aid:EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER LIDS. GET MEDICAL AID IMMEDIATELY. SKIN: GET MEDICAL AID. IMMEDIATELY FLUSH SKIN WIT H PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INGESTION: IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-4 CUPFULS OF MILK OR WATER. GET MEDICAL AID IMME DIATELY. INHALATION: GET MEDICAL AID

IMMEDIATELY. REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

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

Flash Point:NOT AVAILABLE

Lower Limits:NOT AVAILABL

Upper Limits:NOT AVAILABL

Extinguishing Media:USE EXTINGUISHING MEDIA MOST APPROPRIATE FOR THE SURROUNDING FIRE.

Fire Fighting Procedures:AS IN ANY FIRE, WEAR A SELF CONTAINED BREATHING APPARATUS IN PRESSURE-DE

MAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR. COMBUSTION GENERATES TOXIC FUMES.

Unusual Fire/Explosion Hazard:NOT PROVIDED

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTIVE EQUIPMENT. SWEEP UP, THEN PLACE INTO A SUITABLE CONTAINER FOR DISPOSAL. AVOID GENERATING DUSTY CONDITIONS.

Neutralizing Agent:NOT PROVIDED

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

Han

dling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. USE WITH ADEQUATE VENTILATION. MINIMIZE DUST GENERATION AND ACCUMULATION. DO NOT GET ON SKIN OR IN EYES. DO NOT INGE ST OR INHALE.

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

Respiratory Protection:FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN

29 CFR 1910.134 OR EUROPEAN STANDARD EN 149. ALWAYS USE A NIOSH OR EUROPEAN STANDARD EN 149 APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS.

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT SKIN EXPOSURE.

Eye Protection:WEAR APPROPRIATE PROTECTIVE EYEGLASSES/CHEMICAL SAFETY GOGGLES (29CFR1910.133).

Other Protective Equipme

nt:WEAR APPROPRIATE PROTECTIVE CLOTHING TO
PREVENT SKIN EXPOSURE.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

NOTE TO PHYSICIAN: NO SPECIFIC ANTIDOTE EXISTS. TREAT SYMPTOMTICALLY
AND SUPPORTIVELY.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:=37.8C, 100.F

Decomp Temp:Decomp Text:NOT AVAILABLE

Vapor Pres:NEGLIGIBLE

Spec Gravity:2.7

pH:NOT AVAILABLE

Viscosi

ty:NOT AVAILABLE

Evaporation Rate & Reference:NEGLIGIBLE

Solubility in Water:DECOMPOSES

Appearance and Odor:COLORLESS TO WHITE SOLID

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

HYDROGEN PEROXIDE, POTASSIUM, SODIUM, STRONG BASES, STRONG OXIDIZERS,
MOISTURE, ALCOHOLS, AMINES. REACTS VIGOURSLY WITH BROMINE
TRIFLUORIDE, CALCIUM CARBIDE, HYDRAZINE HYDRATE, ETHYLENE OXIDE,
METAL AND ORGANIC
NITRATES.

Stability Condition to Avoid:HIGH TEMPERATURES, INCOMPATIBLE MATERIALS,
MOISTURE, EXPOSURE TO AIR.

Hazardous Decomposition Products:HYDROGEN CHLORIDE, CHLORINE, TIN/TIN
OXIDES.

===== Ecological Information =====

Ecological:NO INFORMATION AVAILABLE.

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

Waste Disposal Methods:DISPOSE OF IN A MANNER CONSISTENT WITH LOCAL,
STATE AND FEDERAL REGULATIONS.

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MSDS Transport Information =====

Transport Information:US DOT SHIPPING NAME: CORROSIVE SOLID, N. O. S.
(STANNOUS CHLORIDE). HAZARD CLASS: 8. UN NUMBER: UN1759. PACKING
GROUP: III. IMO: NO INFORMATION AVAILABLE. IATA: NO INFORMATION
AVAILABLE.

===== Regulatory Information =====

SARA Title III Information:SECTION 302 (RQ): NONE OF THE CHEMCALS IN
THIS MATERIAL HAVE AN RQ. SECTION 302 (TPQ): NONE OF THE CHEMCALS
IN THIS MATERIA

L HAVE A TPQ. SARA CODES: CAS # 10025-69-1: ACUTE,
CHRONIC, FLAMMABLE. SECTIO N 313: NO CHEMICALS ARE REPORTABLE
UNDERSECTION 313. CLEAN AIR ACT: THIS MATERIAL DOES NOT CONTAIN ANY
HAZARDOUS AIR POLLUTANTS. THIS MATERIAL DOES NOT CONTAIN ANY CLASS
1 OR CLASS 2 OZONE DEPLETORS. CLEAN WATER ACT: NONE OF THE
CHEMICALS IN THIS PRODUCT ARE LISTED AS HAZARDOUS SUBSTANCES UNDER
CWA. NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS A PRIORITY
POLLUTANT UNDER THE CWA.

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ral Regulatory Information:NONE OF THE CHEMICALS IN THIS PRODUCT
ARE LISTED AS TOXIC POLLUTANTS UNDER THE CWA. OSHA: NONE OF THE
CHEMICALS IN THIS PRODUCT ARE CONSIDERED HIGHLY HAZARDOUS BY OSHA.
US FEDERAL TSCA: CAS # 10025-69 -1 IS NOT LISTED ON THE TSCA
INVENTORY. IT IS A HYDRATE AND EXEMPT FROM TSCA INVENTORY
REQUIREMENTS (40CFR720.3(U) (2)).

State Regulatory Information:TIN (II) CHLORIDE DIHYDRATE CAN BE FOUND
ON THE FOLLOWING STATE RIGHT TO KNOW LISTS: CALIFORNIA,
(LISTED AS
TIN), NEW JERSEY, (LISTED AS TIN), FLORIDA, (LISTED AS TIN),
PENNSYLVANIA, (LISTED AS TIN), MINNESOTA, (LISTED AS TIN),
MASSACHUSETTS, (LISTED AS TIN). CALIFORNIA NO SIGNIFICANT RISK
LEVEL: NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED.

===== Other Information =====

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ited States of America in no manner whatsoever,
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