

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:07410-2

802

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100

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 TIN

ACGIH TLV:2 MG/M3 AS TIN

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===== 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 CAUSE 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 FOUND.

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 AND INFLAMMATION.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

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 WITH 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 IMMEDIATELY. 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 AVAILABLE

Upper Limits:NOT AVAILABLE

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-DEMAND, 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

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

Handling 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 INGEST OR INHALE.

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

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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

CAL SAFETY

GOGGLES (29CFR1910.133).

Other Protective Equipment: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 SYMPTOMATICALLY 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

Viscosity: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 C

ARBIDE, 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.

===== 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 MATERIAL 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 PR  
ODUCT ARE LISTED AS A PRIORITY  
POLLUTANT UNDER THE CWA.

Federal 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 FO  
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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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lated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.