

## **TITANIUM STANDARD 1000 PPM, T-130**

### **MSDS Number**

BXJNH

### **National Stock Number**

6810-00N059546

### **Product Name**

TITANIUM STANDARD 1000 PPM, T-130

### **Manufacturer**

RED BIRD SERVICE

### **Product Identification**

Product ID:TITANIUM STANDARD 1000 PPM, T-130

MSDS Date:10/05/1993

FSC:6810

NIIN:00N059546

MSDS Number: BXJNH

### **Responsible Party**

RED BIRD SERVICE

205 WESTERN AVE

OSGOOD , IN 47037

US

Emergency Phone: 800-424-9300(CHEMTREC)

Info Phone: 800-428-3502

Preparer: GENE C FEITH

Cage: 0H0Z7

### **Contractor**

RED BIRD SERVICE

OSGOOD, IN 47037

US

812-689-4040;800-428-3502

Cage: 0H0Z7

### **Ingredients**

TITANIUM CHLORIDE (TiCl<sub>4</sub>); (TITANIUM TETRACHLORIDE) (SARA

CAS: 7550-45-0

RTECS: XR1925000

Fraction By Weight: CA 0.4%

OSHA PELN/K

ACGIH TLV: N/K

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

HYDROCHLORIC ACID (SARA 302/313) (CERCLA).

CAS: 7647-01-0

RTECS: MW4025000

Fraction By Weight: 5.95%  
OSHA PELC 5 PPM  
ACGIH TLV: C 5 PPM; 9495  
EPA Report Quantity: 5000 LBS  
DOT Report Quantity: 5000 LBS

WATER  
CAS: 7732-18-5  
RTECS: ZC0110000  
Fraction By Weight: 93.7%  
OSHA PELN/K  
ACGIH TLV: N/K

## Hazards

LD50 LC50 Mixture:SEE INGREDIENTS  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:THIS SOLUTION IS IRRITATING ON CONTACT WITH SKIN, EYES OR MUCOUS MEMBRANES. MAY CAUSE BURNS. MAY BE HARMFUL IF SWALLOWED, AND CAUSE DAMAGE TO THE GASTROINTESTINAL TRACT.  
Explanation of Carcinogenicity:NOT RELEVANT.  
Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:EYE: IMMED FLUSH EYES WITH H\*2O FOR AT LEAST 15 MIN, INCLUDING UNDER THE EYELIDS. GET MED ATTENTION. SKIN: WASH EFFECTED AREA WITH SOAP AND H\*2O. CONTACT A PHYSICIAN. INHAL: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING HASSTOPPED. CONTACT A PHYSICIAN IF DIFFICULTIES CONTINUE. INGEST: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE SEVERAL GLASSES OF H\*2O TO DILUTE. GET MED ATTENTION.

## Fire Fighting

Flash Point:NONCOMBUSTIBLE  
Extinguishing Media:USE THAT WHICH IS APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCES TOXIC FUMES.

## Accidental Release

Spill Release Procedures:DIKE SPILL, TAKE UP WITH ABSORBENT AND CONTAINERIZE FOR PROPER DISPOSAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:KEEP CONTAINER CLOSED AND STORE AT CONTROLLED ROOM TEMPERATURE.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

## Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN . NOT REQUIRED UNLESS TLV IS EXCEEDED.  
Ventilation:APPROVED FUME HOOD OR ADEQUATE VENTILATION IS ADEQUATE.  
Protective Gloves:NEOPRENE, PVC, OR EQUIVALENT.  
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .  
Other Protective Equipment:ANSI APPRVD EMER EYE WASH & DELUGE SHOWER.  
CNTCT LENSES POSE HLTH HAZ; SOFT CNTCT LENSES ABSORB & ALL (SUPDAT)

Work Hygienic Practices:LAUNDER ALL CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health  
VP: 14-LIKE WATER. VAP DENSITY: 0.7 LIKE WATER. OTHER PROT EQPT:  
CONTACTS CONCENTRATE IRRITANTS.

## Chemical Properties

Boiling Pt:B.P. Text:212F,100C  
Vapor Pres:SUPDAT  
Vapor Density:SUPDAT  
Evaporation Rate & Reference:BUAC=1 GREATER THAN 1  
Solubility in Water:MISCIB, BUAC  
Appearance and Odor:COLORLESS LIQUID  
Percent Volatiles by Volume:99

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG BASES.  
Stability Condition to Avoid:EXTREME HEAT.  
Hazardous Decomposition Products:WHEN HEATED TO DECOMP IT MAY EMIT  
TOXIC FUMES OF CL-, HCL, AND CORROSIVE FUMES.

## Disposal

Waste Disposal Methods:FOLLOW ALL FEDERAL, STATE, AND LOCAL  
REGULATIONS.

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