ALDRICH CHEMICAL CO – TITANIUM(III) CHLORIDE, 99%, 22097-3 -- 6810-00N038041

Product ID: TITANIUM(III) CHLORIDE, 99%, 22097-3
MSDS Date: 06/17/1992
FSC: 6810
NIIN: 00N038041
MSDS Number: BQVND

Company Name: ALDRICH CHEMICAL CO
Box: 355
City: MILWAUKEE
State: WI
ZIP: 53201
Country: US
Info Phone Num: 414-273-3850
Emergency Phone Num: 414-273-3850
CAGE: 60928

Contractor Identification
Company Name: ALDRICH CHEMICAL CO INC
Address: 1001 WEST ST PAUL AVE
Box: 355
City: MILWAUKEE
State: WI
ZIP: 53233
Country: US
Phone: 414-273-3850
CAGE: 60928

Composition/Information on Ingredients

Ingredient Name: TITANIUM CHLORIDE; (TITANIUM (III) CHLORIDE)
CAS: 7705-07-9
RTCS #: XR1924000
Fraction by Wt: 99%

Hazards Identification

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: ACUTE: HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT, EYES & SKIN. INHALATION MAY BE FATAL AS RESULT OF SPASM, INFLAMMATION & EDEMA OF LARYNX & BRONCHI, CHEMICAL PNEUMONITIS & PULMONARY EDEMA.
SYMPTOMS OF (EPTS OF OVEREXP)
Explanation of Carcinogenicity: NOT RELEVANT
Effects of Overexposure: HLTH HAZ: EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA & VOMITING. TO THE BEST OF MFRC'S KNOWLEDGE, THE CHEMICAL, PHYSICAL & TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.
Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid Measures

First Aid: EYE: IMMED FLUSH W/COPIOUS AMOUNTS OF WATER FOR AT LST 15 MINS. SKIN: IMMED WASH W/SOAP & COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. WASH CONTAM CLTHG BEFORE REUSE. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. INGEST: WASH OUT MOUTH W/WATER PROVIDED PERSON IS CONSCIOUS. CALL MD.

Fire Fighting Measures


Extinguishing Media: USE APPROVED CLASS D EXTINGUISHERS OR SMOTHER WITH DRY SAND, DRY GROUND LIMESTONE OR DRY CLAY. DO NOT USE WATER.
Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT. FLAMMABLE SOLID. REACTS VIOLENTLY WITH WATER.
Unusual Fire/Explosion Hazard: THIS MATERIAL, LIKE MOST MATERIALS IN POWDER FORM, IS CAPABLE OF CREATING DUST EXPLOSION. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

----------------- Accidental Release Measures -----------------

Spill Release Procedures: EVACUATE AREA. SHUT OFF SOURCES OF IGNITION. WEAR NIOSH/MSHA APPROVED SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. COVER WITH DRY-LIME, SAND/SODA ASH. PLACE IN COVERED CNTNRS USING NON-SPARKING TOOLS & TRANSPORT OUTDOORS. VENT AREA & WASH SPILL SITE (SUPPAT)
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

----------------- Handling and Storage -----------------

Handling and Storage Precautions: AVOID BREATHING DUST. AVOID CONTACT WITH EYES, SKIN, & CLOTHING. AVOID PRLG/RPTD EXPOS. CORROSIVE. CAUSES BURNS. KEEP TIGHTLY CLOSED. DO NOT ALLOW CONTACT WITH WATER.
Other Precautions: AIR SENSITIVE. KEEP AWAY FROM HEAT, SPHS & OPEN FLAME. HANDLE & STORE UNDER NITROGEN. FLAMMABLE. REACTS VIOLENTLY WITH WATER. KEEP AWAY FROM SOURCES OF IGNITION. NO SMOKING.

----------------- Exposure Controls/Personal Protection -----------------

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR. Ventilation: USE ONLY IN A VENTILATED HUE HOOD.
Protective Gloves: COMPATIBLE CHEMICAL-RESISTANT GLOVES.
Eye Protection: CHEMICAL WORKERS GOGGLES.
Other Protective Equipment: SAFETY SHOWER & EYE BATH. WEAR SUITABLE PROTECTIVE CLOTHING.
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.
Supplemental Health and Safety
SPILL PROC: AFTER MATERIAL PICKUP IS COMPLETE.

----------------- Physical/Chemical Properties -----------------

Melt/Freeze Pt: M.P/F.P: Text: 824F/440C
Spec Gravity: 2.64
Appearance and Odor: PURPLE POWDER.

----------------- Stability and Reactivity Data -----------------

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZING AGENTS. REACTS VIOLENTLY WITH WATER.
Stability Condition to Avoid: MAY DECOMPOSE ON EXPOSURE TO AIR.
Hazardous Decomposition Products: HYDROGEN CHLORIDE GAS, TITANIUM/TITANIUM OXIDES.

----------------- Disposal Considerations -----------------

Waste Disposal Methods: DISPOSAL MUST BE IN/A/W FEDERAL, STATE & LOCAL REGULATIONS. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL.

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