View NSN Online: https://aerobasegroup.kr/nsn/6810-00-664-6621 SPEX INDUSTRIES INC -- TITANIUM OXIDE -- 6810-00-664-6621 ============ Product Identification ========================= Product ID:TITANIUM OXIDE MSDS Date:05/14/1991 FSC:6810 NIIN:00-664-6621 MSDS Number: BNQCB === Responsible Party === Company Name: SPEX INDUSTRIES INC Address:3880 PARK AVE City:EDISON State:NJ ZIP:08820-3012 Country:US Info Phone Num:201-549-7144/FAX 201-494-1747 Emergency Phone Num:201-549-7144/800-424-9 300(CHEMTREC) CAGE:07977 === Contractor Identification === Company Name: SPEX CERTIPREP INC Address: 203 NORCROSS AVE Box:City:METUCHEN State:NJ ZIP:08840 Country:US Phone:732-549-7144 CAGE:07977 ======= Composition/Information on Ingredients ======== Ingred Name:TITANIUM DIOXIDE CAS:13463-67-7 RTECS #:XR2275000 Fraction by Wt: 100.0%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

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

LD50 LC50 Mixture:TLV IS

10 MG/M3 AS TWA. Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE- TITANIUM DIOXIDE MAY BE HARMFUL IF INHALED, INGESTED, OR CONTACTED WITH THE EYE OR SKIN. INHALATION MAY BE IRRITATING TO THE LUNGS. SKIN OR EYE CONTACT MAY CAUSE IRRITATION. CHRONIC- IT IS AN E XPERIMENTAL CARCINOGEN. Effects of Overexposure:TITANIUM DIOXIDE MAY BE HARMFUL IF INHALED, INGESTED, OR CONTACTED WITH THE EYE OR SKIN. INHALATION MAY BE IRRITATING TO THE LUNGS. SKIN OR EYE CONTACT MAY CAUSE IRRITATION. IT IS AN EXPERIMENTAL CARC INOGEN. Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE WORSEN.
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First Aid:GET MEDICAL ATTENTION. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL:GET IMMEDIATE MEDICA L ATTENTIO N.
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Flash Point:NOT COMBUSTIBLE Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. Unusual Fire/Explosion Hazard:MAY DECOMPOSE.
======== Accidental Release Measures =========
Spill Release Procedures:WEAR PROTECTIVE CLOTHING. EVACUATE AND VENTILATE AREA. SWEEP UP AND PLACE IN BAG, HOLD FOR PROPER DISPOSAL.
============ Handling and Storage ==============
Handling and Storage Precautions:STORAGE- KEEP IN A COOL, DRY AREA IN A TIGHTLY SEALED CONTAINER. Other Precautions:DO NOT GENERATE DUST. AVOID BREATHING DUST. DO NOT

GET IN EYE, ON SKIN OR ON CLOTHING. PROTECT CONTAINER AGAINST PHYSICAL DAMAGE. KEEP CONTAINER CLOSED. KEEP AWAY FRO

M REACH OF CHILDREN. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: NONE NORMALLY REQUIRED. IF DUSTY CONDITION, A NIOSH APPROVED AIR SUPPLIED RESPIRATOR OR DUST RESPIRATOR IS ADVISED. Ventilation: MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S). Protective Gloves: IMPERVIOUS **Eve Protection: SAFETY GLASSES** Other Protective Equipment: NORMAL WORK CLOTHING COVERING ARMS & LEGS. Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. Supplemental Safety and Health ======== Physical/Chemical Properties ============ HCC:N1 Melt/Freeze Pt:M.P/F.P Text:3317F,1825C Spec Gravity:4.17 Solubility in Water: INSOLUBLE Appearance and Odor:WHITE POWDER ======== Stability and Reactivity Data =========== Stability Indicator/Materials to Avoid:YES STRONG ACIDS, STRONG ALKALIS, REDUCING AGENTS, METALS LIKE ALUMINUM, MAGNESIUM, P OTASSIUM, SODIUM, ZINC AND LITHIUM Stability Condition to Avoid:FIRE Hazardous Decomposition Products: TOXIC FUMES

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

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

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