

443 TITANIUM,CHEMICAL PURE

MSDS Number

BBLQB

National Stock Number

3439-00F002739

Product Name

443 TITANIUM,CHEMICAL PURE

Manufacturer

RMI TITANIUM CO

Product Identification

Product ID:443 TITANIUM,CHEMICAL PURE

MSDS Date:02/12/1990

FSC:3439

NIIN:00F002739

MSDS Number: BBLQB

Responsible Party

RMI TITANIUM CO

1000 WARREN AVE

NILES , OH 44446-1168

US

Emergency Phone: 216-544-7655

Info Phone: 216-544-7802

Preparer: MICHAEL C MILLER

Cage: DO815

Contractor

RMI TITANIUM CO

269

NILES, OH 44446-1168

US

216-652-9951

Cage: DO815

Ingredients

TITANIUM (DRY POWDER) (TI)

CAS: 7440-32-6

RTECS: XR1700000

Fraction By Weight: 99%

OSHA PELTWA 10 MG/CUM DUST

ACGIH TLV: TWA 10 MG/CUM TIO2

SILICA CRYSTALLINE, TRIPOLI (SUSPECTED HUMAN CARCINOGEN BY

CAS: 1317-95-9

RTECS: VV7336000

Fraction By Weight:

OSHA PELSEE TABLE Z3

ACGIH TLV: 0.1 MG/M3 RDUST;9293

Hazards

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:SKIN: PHYSICAL ABRASION. EYES: IRRITATION.

Explanation of Carcinogenicity:SEE INGREDIENTS

Medical Cond Aggravated by Exposure:RESPIRATORY SYSTEM DISORDERS

First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT OR HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION OR OXYGEN AS INDICATED. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Extinguishing Media:USE EXTINGUISHERS DESIGNED FOR METAL FIRES, DRY CHEMICAL POWDERS, SALTS OR INERT GASES.

Fire Fighting Procedures:DON'T USE WATER OR LIQUID.

Unusual Fire/Explosion Hazard:GRINDING/POLISHING IN ABSENCE OF OXYGEN CAN RESULT IN WASTE WHICH IS EASILY IGNITED W/A FLASH/SPARK. WATER CAN CAUSE AN EXPLOSION DUE TO HYDROGEN GAS EVOLUTION.

Accidental Release

Spill Release Procedures:COLLECT MATERIAL IN APPROPRIATELY LABELED CONTAINERS & DISPOSE OF PROPERLY. DON'T USE COMPRESSED AIR TO CLEAN SPILLS OF THE DUST. WEAR PROTECTIVE EQUIPMENT.

Handling

Handling and Storage Precautions:KEEP WORK AREAS FREE OF WASTE. STORE WET & KEEP AWAY FROM HEAT & OPEN FLAME-MAINTAIN HUMIDITY >50% TO PREVENT ELECTROSTATIC BUILD-UP.

Other Precautions:NO SMOKING IN AREA. USE NON-SPARKING METAL EQUIPMENT.

Exposure Controls

Respiratory Protection:RESPIRATOR RECOMMENDED FOR ALL GRINDING, CUTTING, ETC. CONSULT LOCAL SUPPLIER FOR SELECTION OF APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR BASED ON MAGNITUDE & DURATION OF EXPOSURE.

Ventilation:ADEQUATE GENERAL &/OR LOCAL EXHAUST VENTILATION

Protective Gloves:RECOMMENDED

Eye Protection:SAFETY GLASSES

Other Protective Equipment:PROTECTIVE CLOTHING

Supplemental Safety and Health

PRODUCTS UNDER NORMAL CONDITIONS DON'T PRESENT AN INHALATION/INGESTION/CONTACT HEALTH HAZARD. HOWEVER, OPERATIONS, SUCH AS BURNING/WELDING/BRAZING/GRINDING/MACHINING, WHICH RESULTS IN ELEVATING THE TE MP OR ABOVE ITS MELTING POINT OR RESULTS IN THE GENERATION OF AIRBORNE PARTICULATES, MAY PRESENT HEALTH HAZARDS.

Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:1560-1840C

Appearance and Odor:GRAY METALLIC SOLID; NO ODOR

Stability

Stability Indicator/Materials to Avoid:YES

WHEN IN CONTACT W/RED FUMING NITRIC ACID MAY BECOME SENSITIVE TO, & REACT VIOLENTLY W/THE ACID.

Stability Condition to Avoid:STABLE AT ROOM TEMPERATURE UNDER NORMAL STORAGE & HANDLING CONDITIONS.

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated 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.