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MATERIAL SAFETY DATA SHEET

Tellurium Dioxide

MSDS Number : 002

Effective Date : 01/20/09

I. Product Identification

Trade Name : Tellurium Dioxide
 Synonyms : Tellurium Oxide ; Tellurium (IV) Oxide
 Chemical Formula : TeO₂
 Molecular Weight : 159.58
 Manufacturer : Pacific Rare Specialty Metals And Chemicals, Inc. (PRSMCI)
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 Rosario, Cavite, Philippines, 4106
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II. Composition / Information on Components

Tellurium Dioxide (CAS# 7446-07-3)
Identification number:
 EINECS Number: 231-193-1

III. Hazard Identification

Flammability Rating : 0 (Not combustible)
 Reactivity Rating : 0 (Not reactive when mixed with water)
 Health Rating : 1 (Harmful if swallowed or inhaled)
 Contact Rating : 1 (May cause eye irritation)
 Protective Equip : Goggles, Gloves

IV. First –Aid Measures

Inhalation : Get medical aid immediately. Remove from exposure and move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion : If victim is conscious and alert, give 2 ~ 4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact : Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

V. Fire Fighting Measures

Fire : Not considered to be a fire hazard.
Explosion : Not considered to be an explosion hazard.
Fire Extinguishing Media: Use agent most appropriate to extinguish fire. Use water spray , carbon dioxide, sand, foam / dry chemical.
Special Information : In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus. Hazardous decomposition products may be formed.

VI. Accidental Release Measures

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

VII. Handling and Storage

Handling : Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Do not breathe dust, vapor, mist or gas. Keep container tightly closed. Do not ingest or inhale..

Storage : Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

VIII. Exposure Controls / Personal Protection

Airborne Exposure Limits : OSHA PEL : none listed
 ACGIH TLV : none listed
Respiratory Protection : None normally required. If airborne concentration is high, wear a NIOSH-approved dust respirator or dust mask.
Skin Protection : Wear appropriate protective clothing to prevent skin exposure.
Eye Protection : Wear safety glasses or goggles and face protection.
Work / Hygienic Practices : Observe good personal hygiene practices and recommended procedures..

Maintain eye wash station and safety shower.

IX. Physical and Chemical Properties

Form	: Powder	Specific Gravity	: 5.67
Color	: off-white	Melting Point	: 733 °C
Odor	: odorless	Boiling Point	: Not available
Solubility	: Insoluble in Water		

X. Stability and Reactivity

Stability	:	Stable under normal temperature and pressure.
Hazardous Decomposition Products:	:	Irritating and toxic fumes and gases
Hazardous Polymerization	:	Will not occur.
Incompatibilities	:	Strong oxidizers, strong acids and active metals such as Potassium and Magnesium
Conditions to Avoid	:	Incompatible materials, dust generation, excess heat.

XI. Toxicological Information

Toxicological Data	:	Oral Rat LD50: > 5000 mg/kg.
Carcinogenicity	:	Not listed by ACGIH, IARC, NIOSH, NTP or OSHA
Teratogenicity	:	Subcutaneous, rat : TDLo = 798 mg /kg (female 15 – 19 days after conception). Effects on Embryo or Fetus – fetal death and Specific Developmental Abnormalities – Central Nervous System and Eye/ Eat.; Subcutaneous, rat : TDLo = 798 mg /kg (female 15 – 19 days after conception). Specific Developmental Abnormalities – body wall, urogenital system, homeoatasis.; Subcutaneous, rat : TDLo = 79800 ug /kg (female 15 – 19 days after conception) Effects on Newborn – stillbirth.

XII. Ecological Information

No information found.

General Note : Do not allow material to be released to the environment without proper governmental permits.

XIII. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

XIV. Transport Information

Not a hazardous material for transportation.

DOT regulations Hazard Class	:	None
Land transport ADR / RID class	:	None
Maritime Transport IMDG Class	:	None
Air transport ICAO-TI and IATA-DGR Class	:	None

XV. Regulatory Information**US FEDERAL**

TSCA : CAS # 7446-07-3 is listed on the TSCA inventory.

Health & Safety Reporting List : None of the chemicals are on the Health & Safety Reporting List

Chemical Test Rules : None of the chemicals are listed under a Chemical Test Rule

Section 12b : None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule : None of the chemicals in this material have a SNUR under TSCA.

CARCLA Hazardous Substances and corresponding RQs : None of the chemicals in this material have an RQ

SARA Section 302 Extremely Hazardous Substances : None of the chemicals in this product have a TPQ.

Section 313 : No chemicals are reportable under Section 313.

Clean Air Act : This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act : None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as priority pollutants under the CWA. 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.

STATE : CAS# 7446-07-3 is not present on state lists from CA, PA, MN, MA, FL or NJ. California No

Significant Risk Level : None of the chemicals in this product is listed.

European / International Regulations

European labeling in Accordance with EC Directives

Hazard Symbols : T

Risk Phrases : R 23/25 Toxic by inhalation and if swallowed.

Safety Phrases : S 24/25 Avoid contact with skin and eyes.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

WGK (Water Danger / Protection) : CAS # 7446-07-3 – No information available

Canada – DSL / NDSL : CAS # 7446-07-3 – not listed in Canada’s DSL List

Canada – WHMIS : This product has a WHMIS classification of D1B, D2B.

Canadian Ingredient Disclosure List : CAS# 7446-07-3 is listed on the Canadian Ingredient Disclosure List.

Exposure Limits : CAS# 7446-07-3 : OEL- AUSTRALIA : TWA 0.1 mg (Te)/m3 OEL – BELGIUM:TWA 0.1 mg (Te)/m3 OEL – DENMARK: TWA 0.1 mg (Te)/m3 OEL –FINLAND: TWA 0.1 mg (Te)/m3; STEL 0.3 mg (Te)/m3 OE-FRANCE: TWA 0.1 mg (Te)/m3 OEL –GERMANY: TWA 0.1 mg (Te)/m3 OEL – THE NETHERLANDS: TWA 0.1 mg (Te)/m3 OEL – THE PHILIPPINES: TWA 0.1 mg (Te)/m3 OEL –SWEDEN: TWA 0.1 mg (Te)/m3 OEL –SWITZERLAND: TWA 0.1 mg (Te)/m3; STEL 0.5 mg (Te)/m3 OEL –TURKEY: TWA 0.1 mg (Te)/m3 OEL –UNITED KINGDOM: TWA 0.1 mg (Te)/m3 OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV.

XVI. Other Information

NFPA Ratings: (estimated) Health: **2** ; Flammability: **0**; Instability: **0**

Disclaimer:

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