SAFETY DATA SHEET

Date Printed: 03/28/2024
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SECTION 1. IDENTIFICATION

Product Identifier: (5N) 99.999% Vanadium Telluride Powder

Product Code: V-TE-05-P

CAS Number: 35515-91-4

Relevant identified uses of the substance: Scientific research and development

Supplier details:

American Elements
10884 Weyburn Ave.
Los Angeles, CA 90024
Tel: +1 310-208-0551
Fax: +1 310-208-0351
Emergency telephone number:
+1 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
GHS06 Skull and crossbones
Acute Tox. 3 H331 Toxic if inhaled.
GHS07
Acute Tox. 4 H302 Harmful if swallowed.
Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC
Xn; Harmful
R20/22: Harmful by inhalation and if swallowed.
Xi; Irritant
R36/37: Irritating to eyes and respiratory system.
Information concerning particular hazards for human and environment:
N/A
Hazards not otherwise classified
No data available
Label elements
Labelling according to Regulation (EC) No 1272/2008
The substance is classified and labeled according to the CLP regulation.
Hazard pictograms



GHS06
Signal word
Danger
Hazard statements
H302 Harmful if swallowed.
H331 Toxic if inhaled.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
WHMIS classification
D1B - Toxic material causing immediate and serious toxic effects
D2B - Toxic material causing other toxic effects
Classification system
HMIS ratings (scale 0-4)
(Hazardous Materials Identification System)
HEALTH
FIRE
REACTIVITY
3
0
0
Health (acute effects) = 3
Flammability = 0
Physical Hazard = 0
Other hazards
Results of PBT and vPvB assessment
PBT:
N/A

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Vanadium Telluride
CAS Number: 35515-91-4
EC Number: 252-605-6
Molecular Weight: 306.14

SECTION 4. FIRST AID MEASURES

Eye Contact:
Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation

persists, seek medical attention.
Skin Contact:
Wash skin with soap and water. If irritation persists, seek medical attention.
Ingestion:
Do not induce vomiting. Seek medical attention.
Inhalation:
Move to a fresh air environment. Contact a physician if breathing becomes difficult.

SECTION 5. FIREFIGHTING MEASURES

Flash Point:
Not Available
Explosion Limits:
Lower: Not Available
Upper: Not Available
Autoignition:
Not Available
Extinguishing Media:
Carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.
Protective Equipment:
Wear self-contained respirator and fully protective impervious suit.
Specific Hazards:
Emits hazardous fumes under fire conditions.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection:
Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use.
Keep unprotected persons away.
Environmental Protection:
Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

SECTION 7. HANDLING AND STORAGE

Handling:
Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.
Storage:
Store in a tightly closed container in a dry, well-ventilated place.
Storage Temperature:
15-30 ºC

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:
Wear appropriate protective eyeglass or chemical safety goggles. Eyewash facility in vicinity.
Skin:
Wear impervious gloves and protective clothing.
Respiratory:
Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.
Exposure Limits:
Country-USA
Source-ACGIH
Type-TWA
Value-N/A

Country-USA
Source-OSHA
Type-PEL
Value-N/A

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:
Solid
Odor:
Not Available
Melting Point:
Not Available
Boiling Point:
Not Available
Density:
Not Available
Refractive Index, n20D:
Not Available
Viscosity:
Not Available
Solubility in Water:
Insoluble

SECTION 10. STABILITY AND REACTIVITY

Stability:
Stable under normal temperatures and pressures.
Incompatibility:
Strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

RTECS Reference:
Not Available

Target Organs:
Not Available
Toxicity Data:
Not Available

SECTION 12. ECOLOGICAL INFORMATION

Not Available

SECTION 13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping Name: Vanadium Compound N.O.S.
DOT UN Number: UN3285
DOT Hazard Class: 6.1
DOT Packing Group: II
IATA Shipping Name: Vanadium Compound N.O.S.
IATA UN Number: UN3285
IATA Hazard Class: 6.1
IATA Packing Group: II

SECTION 15. REGULATORY INFORMATION

United States:
Toxic Substance Control Act (TSCA): Listed
Superfund Amendments and Reauthorization Act (SARA 302): Not listed
Superfund Amendments and Reauthorization Act (SARA 313): Not listed
European Union:
European Inventory of Existing Chemical Substances (EINECS): No. 252-605-6
Hazard Codes: Not listed
Risk Statements: Not listed
Safety Statements: Not listed
Canada
Canadian Domestic Substances List (DSL): Not listed
Canadian Domestic Substances List (NDSL): Not listed

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16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the

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