

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name **Tellurium Oxide, Enriched Tellurium Oxide**

Synonym Tellurium Dioxide

CAS No. 7446-07-3

EC No. 231-193-1

Chemical Formula TeO_2

Molecular Weight 159.6 g/mol

Chemical Characterization Inorganic solid

Supplier Address*
ISO FLEX USA
PO Box 29475
San Francisco CA 94129
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Emergency Phone Number Infotrac/ +1 800-535-5053

(both supplier and
manufacturer)

*May include subsidiaries or affiliate companies/divisions

Email iusa@isoflex.com

Website www.isoflex.com

Preparation Information
ISO FLEX USA
Product Safety
+1 415-440-4433

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS label elements

None. Not a hazardous substance or mixture.

**Hazards not otherwise classified (HNOC)
or not covered by GHS**

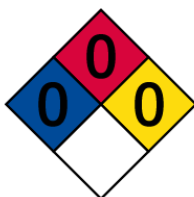
None.

NFPA Ratings: (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health Hazard = 0

Flammability = 0

Reactivity = 0



HMIS Ratings: (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health Hazard = 0 Flammability = 0 Physical Hazard = 0

HEALTH HAZARD	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name: Tellurium Oxide
CAS No.: 7446-07-3
Chemical Formula: TeO₂
Molecular Weight: 159.6 g/mol

4. FIRST AID MEASURES

Eye Exposure Irrigate thoroughly with water. If discomfort persists, obtain medical attention.

Inhalation Exposure Remove from exposure.

Dermal Exposure Wash off thoroughly with soap and water.

Ingestion Exposure Wash out mouth thoroughly with water. In severe cases, obtain medical attention.

5. FIREFIGHTING MEASURES

Special Risks Not combustible

Suitable Extinguishing Media To suit environment

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear appropriate protective clothing. Avoid generation of dusts.

Environmental Precautions Do not let product enter drains.

Methods for Cleaning Up Avoid generation of dusts. Carefully take up dry product. Forward for disposal. Clean up affected area.

7. HANDLING AND STORAGE

Handling Avoid generation of dusts. Change contaminated clothing. Wash hands after working with substance.

Storage Store at room temperature (15-25 °C recommended). Keep well closed and protected from direct sunlight and moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Fume cupboard

Personal Protective Equipment

<i>Respirator</i>	Dust respirator required when dusts are generated.
<i>Hand Protection</i>	High grade PVC gloves
<i>Eye Protection</i>	Goggles or face-shield
<i>Other Precautions</i>	Plastic apron, sleeves, boots (if handling large quantities)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Solid
Color	White
Odor	Odorless

Safety Data

Flash Point:	Not applicable
Density (g/ml):	6.02
Boiling Temperature:	No data
Melting Temperature:	733 °C
Solubility in Water:	Immiscible or insoluble

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable
<i>Conditions to Avoid</i>	No data available
<i>Incompatible Materials</i>	Strong acids, strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

RTECS No. WY2675000

Acute Toxicity

LD50 Oral (Rat) > 5,000 mg/kg
Remarks: Diarrhea

Inhalation No data available

Dermal No data available

Carcinogenicity

No evidence of carcinogenic properties

Teratogenic Effects Evidence of teratogenic effects

12. ECOLOGICAL INFORMATION

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

Toxicity

Toxicity to Fish LC50 - *Fundulus heteroclitus* - > 1,000 mg/l - 96 h

13. DISPOSAL CONSIDERATIONS*Product*

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice or pass to a chemical disposal company.

Contaminated Packaging

Rinse out empty containers thoroughly before returning for recycling.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG*UN No.*

3077

Class

9

Packing Group

III

EMS No.

F-A, S-F

Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (tellurium dioxide)

IATA*UN No.*

3077

Class

9

Packing Group

III

Proper Shipping Name

Environmentally hazardous substance, solid, n.o.s. (tellurium dioxide)

Further Information

EHS mark required (ADR 2.2.9.1.10, IMDG code 2.10.2) for single packaging and combination packaging containing inner packaging with Dangerous Goods > 5 L for liquids or >5 kg for solids. Packages smaller than or equal to 5 kg / L, not dangerous goods of Class 9.

15. REGULATORY INFORMATION**REACH Number**

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA 311/312 Hazards

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components

Tellurium dioxide / CAS No. 7446-07-3

New Jersey Right to Know Components

Tellurium dioxide / CAS No. 7446-07-3

California Prop. 65 Components This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

<i>Prepared By</i>	ISOFLEX USA PO Box 29475 San Francisco CA 94129 United States
<i>Issuing Date</i>	January 12, 2014
<i>Revision Date</i>	June 21, 2022
<i>Revision Number</i>	4
<i>Revision Note</i>	Update Section 14

ISOFLEX USA's Commonly Used Abbreviations and Acronyms*

ACGIH	American Conference of Governmental Industrial Hygienists
ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road
ALARA	As Low As Is Reasonably Achievable
AMU	Atomic Mass Unit
ANSI	American National Standards Institute
BLS	Basic Life Support
CAM	Continuous Air Monitor
CAS	Chemical Abstracts Service (division of the American Chemical Society)
CEN	European Committee for Standardization
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CLP	Classification, Labelling and Packaging (European Union)
CPR	Controlled Products Regulations (Canada)
CWA	Clean Water Act (USA)
DAC	Derived Air Concentration (USA)
DOE	United States Department of Energy (USA)
DOT	United States Department of Transportation (USA)
DSL	Domestic Substances List (Canada)
EC50	Half Maximal Effective Concentration
EINECS	European Inventory of Existing Commercial Chemical Substances
EHS	Environmentally Hazardous Substance
ELINCS	European List of Notified Chemical Substances
EMS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EPA	Environmental Protection Agency (USA)
EPCRA	Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986
GHS	Globally Harmonized System
HMIS	Hazardous Materials Identification System (USA)
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Containers
ICAO	International Civil Aviation Organization
IDLH	Immediately Dangerous to Life or Health
IMDG	International Maritime Code for Dangerous Goods
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
LDLO	Lethal Dose Low
LOEC	Lowest-Observed-Effective Concentration
MARPOL	International Convention for the Prevention of Pollution from Ships
MSHA	Mine Safety and Health Administration (USA)
NCRP	National Council on Radiation Protection & Measurements (USA)
NDSL	Non-Domestic Substances List (Canada)

NFPA	National Fire Protection Association (USA)
NIOSH	National Institute for Occupational Safety and Health (USA)
NOEC	No Observed Effect Concentration
N.O.S.	Not Otherwise Specified
NRC	Nuclear Regulatory Commission (USA)
NTP	National Toxicology Program (USA)
OSHA	Occupational Safety and Health Administration (USA)
PBT	Persistent Bioaccumulative and Toxic Chemical
PEL	Permissible Exposure Limit
PIH	Poisonous by Inhalation Hazard
RCRA	Resource Conservation and Recovery Act (USA)
RCT	Radiation Control Technician
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (Europe)
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
RTECS	Registry of Toxic Effects of Chemical Substances
SARA	Superfund Amendments and Reauthorization Act (USA)
TDG	Transportation of Dangerous Goods (Canada)
TIH	Toxic by Inhalation Hazard
TLV	Threshold Limit Value
TPQ	Threshold Planning Quantity
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
UN	United Nations (Number)
VOC	Volatile Organic Compound
vPvB	Very Persistent Very Bioaccumulative Chemical
WGK	Wassergefährdungsklassen (Germany: Water Hazard Classes)
WHMIS	Workplace Hazardous Materials Information System

*One or more of the above-listed items may not appear in this document.

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