SECTION 1. IDENTIFICATION

Product Identifier: (3N) 99.9% Sodium Telluride Lump

Product Code: NA-TE-03-P

CAS Number: 12034-41-2

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
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Substances/mixtures which, in contact with water, emit flammable gases Category 2
Acute oral toxicity Category 4
Acute dermal toxicity Category 4
Acute Inhalation Toxicity - Dusts and Mists Category 4
Acute Inhalation Toxicity - Vapors Category 4
Skin Corrosion/irritation Category 2
Serious Eye Damage/Eye Irritation Category 2

Label Elements

Signal Word
Danger
Hazard Statements
In contact with water releases flammable gas
Harmful if swallowed
Harmful in contact with skin  
Causes skin irritation  
Causes serious eye irritation  
Harmful if inhaled  
Precautionary Statements  
Prevention  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from any possible contact with water, because of violent reaction and possible flash fire  
Handle under inert gas. Protect from moisture  
Inhalation  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell  
Skin  
IF ON SKIN: Wash with plenty of soap and water  
Call a POISON CENTER or doctor/physician if you feel unwell  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse  
Brush off loose particles from skin. Immerse in cool water/wrap with wet bandages  
Eyes  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
Ingestion  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
Rinse mouth  
Fire  
In case of fire: Use CO2, dry chemical, or foam for extinction  
Storage  
Store in a dry place. Store in a closed container  
Disposal  
Dispose of contents/container to an approved waste disposal plant  
Hazards not otherwise classified (HNOC)  
None identified

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component  
Sodium telluride (Na2Te)  
CAS-No 12034-41-2

SECTION 4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.  
Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.  
Inhalation Move to fresh air. Get medical attention immediately if symptoms occur.
Ingestion: Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

Most important symptoms and effects:
None reasonably foreseeable.

Notes to Physician: Treat symptomatically.

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**SECTION 5. FIREFIGHTING MEASURES**

Suitable Extinguishing Media:
- Use: Dry sand. Carbon dioxide (CO2).
- Do not use water or foam.

Unsuitable Extinguishing Media:
- No information available.

Flash Point:
- No information available.

Autoignition Temperature:
- No information available.

Explosion Limits:
- Upper: No data available.
- Lower: No data available.

Sensitivity to Mechanical Impact:
- No information available.

Sensitivity to Static Discharge:
- No information available.

Specific Hazards Arising from the Chemical:
- Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products:
- Tellurium dioxide (TeO2).
- Sodium oxides.
- Hydrogen telluride.

Protective Equipment and Precautions for Firefighters:
- As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA**
- Health 2
- Flammability 2
- Instability 0
- Physical Hazards W

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions:
- Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.
- Remove all sources of ignition.

Environmental Precautions:
- Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

Methods for Containment and Clean Up:
- Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Do not flush with water or aqueous cleansing agents. Remove all sources of ignition.

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**SECTION 7. HANDLING AND STORAGE**

Handling:
- Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation. Handle under inert gas, protect from moisture. Take precautionary measures against static discharges.

Storage:
- Keep away from water. Do not store near acids. Keep away from oxidizing agents. Store under an inert atmosphere. Protect from moisture. Keep container tightly closed in a dry
and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures None under normal use conditions. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection No protective equipment is needed under normal use conditions.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Powder

Appearance No information available

Odor No information available

Odor Threshold No information available

pH No information available

Melting Point/Range No data available

Boiling Point/Range No information available

Flash Point No information available

Evaporation Rate No information available

Flammability (solid, gas) No information available

Flammability or explosive limits

Upper No data available

Lower No data available

Vapor Pressure No information available

Vapor Density No information available

Specific Gravity No information available

Solubility No information available

Partition coefficient; n-octanol/water No data available

Autoignition Temperature No information available

Decomposition Temperature No information available

Viscosity No information available

Molecular Formula Na2 Te

Molecular Weight 173.58

SECTION 10. STABILITY AND REACTIVITY

Reactive Hazard In contact with water releases flammable gases which may ignite spontaneously.

Stability Stable under normal conditions.

Conditions to Avoid Incompatible products.

Incompatible Materials Acids, Oxidizing agents, Water

Hazardous Decomposition Products Tellurium dioxide (TeO2), Sodium oxides, Hydrogen telluride

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing. Reacts with strong oxidising agents. Contact with water liberates extremely flammable gases.
SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Product Information
Component Information
Toxicologically Synergistic Products
No information available
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Irritation No information available
Sensitization No information available
Carcinogenicity
Component
Sodium telluride (Na2Te)
CAS-No 12034-41-2
IARC NL
NTP NL
ACGIH NL
OSHA NL
Mexico NL
Mutagenic Effects No information available
Reproductive Effects No information available.
Developmental Effects No information available.
Teratogenicity No information available.
STOT - single exposure None known
STOT - repeated exposure None known
Aspiration hazard No information available
Symptoms / effects, both acute and delayed
No information available
Endocrine Disruptor Information No information available
Other Adverse Effects The toxicological properties have not been fully investigated.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
Do not empty into drains.
Persistence and Degradability No information available
Bioaccumulation/ Accumulation No information available.
Mobility No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional,
SECTION 14. TRANSPORT INFORMATION

DOT
UN-No UN3134
Proper Shipping Name WATER-REACTIVE SOLID, TOXIC, N.O.S.
Hazard Class 4.3
Subsidiary Hazard Class 6.1
Packing Group II
TDG
UN-No UN3134
Proper Shipping Name WATER-REACTIVE SOLID, TOXIC, N.O.S.
Hazard Class 4.3
Subsidiary Hazard Class 6.1
Packing Group II
IATA
UN-No UN3134
Proper Shipping Name WATER-REACTIVE SOLID, TOXIC, N.O.S.
Hazard Class 4.3
Subsidiary Hazard Class 6.1
Packing Group II
IMDG/IMO
UN-No UN3134
Proper Shipping Name WATER-REACTIVE SOLID, TOXIC, N.O.S.
Hazard Class 4.3
Subsidiary Hazard Class 6.1
Packing Group II

SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations
TSCA 12(b) Not applicable
SARA 313 Not applicable
SARA 311/312 Hazard Categories See section 2 for more information
CWA (Clean Water Act) Not applicable
Clean Air Act Not applicable
OSHA Occupational Safety and Health Administration
Not applicable
CERCLA Not applicable
California Proposition 65 This product does not contain any Proposition 65 chemicals
U.S. Department of Transportation
Reportable Quantity (RQ): N
DOT Marine Pollutant N
DOT Severe Marine Pollutant N
U.S. Department of Homeland Security
This product does not contain any DHS chemicals.
Other International Regulations
Mexico - Grade No information available
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 properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2019 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.