

LTS Research Laboratories, Inc. Safety Data Sheet Tellurium tetrachloride

1. Product and Company Identification Trade Name: Tellurium tetrachloride Chemical Formula: TeCl₄ Recommended Use: Scientific research and development Manufacturer/Supplier: LTS Research Laboratories, Inc. Street: 37 Ramland Road City: Orangeburg New York State: 10962 Zip Code: Country: **USA** Tel #: 855-587-2436 / 855-lts-chem 24-Hour Emergency Contact: 800-424-9300 (US & Canada) +1-703-527-3887 (International) 2. Hazards Identification Signal Word: Danger atorias, Inc. Hazard Statements: H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. **Precautionary Statements:** P260: Do not breathe dust or mist. P264: Wash skin thoroughly after handling. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+P340+P310: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. P363: Wash contaminated clothing before reuse. P405: Store locked up. P501: Dispose of contents/ container to an approved waste disposal plant. HMIS Health Ratings (0-4): Health: 3 Flammability: 0 Physical: 1

| 3. Composition | | |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--|
| Chemical Family: | Ceramic | |
| Additional Names: | Tellurium (IV) chloride | |
| Tellurium tetrachloride (TeCl ₄): | | |
| Percentage: | 100 wt% | |
| CAS #: | 10026-07-0 | |
| EC #: | 233-055-6 | |
| | 4. First Aid Procedures | |
| General Treatment: | Seek medical attention if symptoms persist. | |
| Special Treatment: | None | |
| Important Symptoms: | None | |
| Inhalation: | Remove victim to fresh air. Supply oxygen if breathing is difficult. | |
| Incastion | Keep patient warm. Seek immediate medical attention. | |
| Ingestion: | Seek immediate medical attention. | |
| Skin: | Immediately wash affected area with mild soap and water. Remove any | |
| Even | contaminated clothing. Seek immediate medical attention. | |
| Eyes: | Flush eyes with water, blinking often for several minutes. Remove | |
| | contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention. | |
| | immediate medical attention. | |
| | 5. Firefighting Measures | |
| Flammability: | Non-flammable | |
| Entire mainting Madia | | |
| Extinguishing Media: | No special restrictions – use suitable extinguishing agent for | |
| Space Fire Fighting Dressdares | surrounding material and type of fire. | |
| Spec. Fire Fighting Procedure: | Use full-face, self-contained breathing apparatus with full protective | |
| | clothing to prevent contact with skin and eyes. See section 10 for decomposition products. | |
| | 6. Accidental Release Measures | |
| If Material Is Released/Spilled: | Wear appropriate respiratory and protective equipment specified in | |
| | special protection information. Keep unprotected persons away. Isolate | |
| | spill area and provide ventilation. Use neutralizing agent. Vacuum up | |
| | spill using a high efficiency particulate absolute (HEPA) air filter and | |
| | place in a closed container for disposal. Take care not to raise dust. | |
| Environmental Precautions: | Isolate runoff to prevent environmental pollution. | |
| | 7. Handling and Storage | |
| Handling Conditions: | Handle under dry protective gas. Wash thoroughly after handling. | |
| Storage Conditions: | Store in a cool dry place in a tightly sealed container. Store under dry | |
| C C | inert gas. Store away from water/moisture, strong bases, oxidizing | |
| | agents, humidity. This product is hygroscopic. Store apart from | |
| | materials and conditions listed in section 10. | |
| | | |
| Work/Hygienic Maintenance: | Do not use tobacco or food in work area. Wash thoroughly before | |
| Work/Hygienic Maintenance: | | |
| Work/Hygienic Maintenance: | Do not use tobacco or food in work area. Wash thoroughly before | |
| Work/Hygienic Maintenance: Ventilation: | Do not use tobacco or food in work area. Wash thoroughly before eating and smoking. Do not blow dust off clothing or skin with | |

| 8. E | xposure Controls and Personal Protection |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Permissible Exposure Limits: | 0.1 mg/m ³ as Te, long-term value |
| Threshold Limit Value: | 0.1 mg/m^3 as Te, long-term value |
| Special Equipment: | Properly operating chemical fume hood designed for hazardous |
| T T T T | chemicals and having an average face velocity o at least 100 feet per |
| | minute. |
| Respiratory Protection: | Dust Respirator |
| Protective Gloves: | Nitrile rubber gloves with minimum thickness of 0.11 mm |
| Eye Protection: | Safety glasses or goggles |
| Body Protection: | Protective work clothing. Wear close-toed shoes and long |
| | sleeves/pants. |
| 9. | Physical and Chemical Characteristics |
| Color | N/A |
| Form: | Powder, Granules, Pellets, Sputtering target, Custom parts |
| Odor: | Pungent |
| Water Solubility: | N/A |
| Boiling Point: | 380 °C |
| Melting Point: | 224 °C |
| Flash Point: | N/A |
| Autoignition Temperature: | N/A |
| Density: | 3.01 g/cc |
| Molecular weight: | 269.41 g/mol |
| | 10. Reactivity |
| Stability: | Stable under recommended storage conditions |
| Reacts With: | Oxidizing agents, bases, water/moisture |
| incompatible Conditions: | Water/moisture, humidity |
| Hazardous Decomposition Products: | Metal oxide fume, hydrogen chloride gas, tellurium oxides |
| | 11. Toxicological Information |
| Potential Health Effects: | |
| Eyes: | Causes serious eye damage |
| Skin: | Causes severe skin burns |
| Ingestion: | Swallowing will lead to a strong corrosive effect on mouth and throa and to the danger of perforation of esophagus and stomach. |
| Inhalation: | May cause irritation |
| Chronic: | N/A |
| 7° | |
| Signs & Symptoms: | Cough, shortness of breath, headache, nausea, vomiting |
| Aggravated Medical Conditions: | N/A |
| Median Lethal Dose: | N/A |
| Carcinogen: | IARC: No component of this product present at levels greater than o |
| | equal to 0.1% is identified as probable, possible or confirmed humar |
| | carcinogen by IARC. |
| | NTP: No component of this product present at levels greater than or |
| | equal to 0.1% is identified as a known or anticipated carcinogen by |
| | NTP. |
| | OSHA: No component of this product present at levels greater than |
| | equal to 0.1% is identified as a carcinogen or potential carcinogen by |

| | 12. Ecological Information |
|--------------------------------------------|----------------------------------------------------------------------|
| Aquatic Toxicity: | N/A |
| Persistent Bioaccumulation Toxicity: | N/A |
| Very Persistent, Very Bioaccumulative: | N/A |
| Notes: | Do not allow undiluted product or large quantities to reach ground |
| | water, water course or sewage system. |
| | Avoid transfer into the environment. |
| | 13. Disposal Considerations |
| Dispose of in accordance with local, state | e, national, and international regulations. |
| | 14. Transportation Data |
| Hazardous: | Hazardous as powder only. |
| | CORROSIVE 8 |
| Hazard Class: | 8 Corrosive substances |
| Packing Group: | II |
| UN Number: | UN3260 |
| Proper Shipping Name: | Corrosive solid; acidic, inorganic, n.o.s. (Tellurium tetrachloride) |
| | 15. Regulatory Information |
| Sec 302 Extremely Hazardous: | No |
| Sec 304 Reportable Quantities: | N/A |
| Sec 313 Toxic Chemicals: | No |
| | |

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

Document Last Revised:

05/23/2019