

## LTS Research Laboratories, Inc. Safety Data Sheet Tellurium tetrachloride

## 1. Product and Company Identification Trade Name: Tellurium tetrachloride Chemical Formula: TeCl<sub>4</sub> 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 <sub>4</sub> ):		
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 <sup>3</sup> as Te, long-term value
Threshold Limit Value:	$0.1 \text{ mg/m}^3$ 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