

## TANTALUM SELENIDE

### Section I

<b>Kurt J. Lesker Company</b> 1925 Worthington Avenue Clairton, PA 15025 Ph: 412/387-9200 Fax: 412/233-4275		Emergency Phone Numbers KJLC 800/245-1656 Chemtrec 800/424-9300 Poison Center 800/562-8236	
Chemical Name and Synonyms <b>Tantalum Selenide</b>		Date of Last Revision 8/7/89	
Formula TaSe <sub>2</sub>	Chemical Family Metal Selenides	Chemical Abstract No. 12039-55-3	
TSCA Listed in the EPA TSCA Inventory		Calc. Molecular Wt. 338.87	

### Section II Hazardous Ingredients

Hazardous Ingredients	CAS #	%	TLV	OSHA PEL
Tantalum Selenide	12039-55-3	100	.02mg (Se)m <sup>3</sup>	200ug (Se)m <sup>3</sup>
			5 mg (Ta) /m <sup>3</sup>	5 mg (Ta) /m <sup>3</sup>

### Section III Physical Data

Boiling Point (0°C): No data	Density (gmcc): 8.6
Vapor Pressure: No data	% Volatile by Volume: NA
Reaction with Water: None	Evaporation Rate (H <sub>2</sub> O -1): MA
Solubility in Water: Insoluble	Melting Point (°C): No data
Appearance and Odor: Black-dark red powder, odorless	Other Comments:

### Section IV Fire & Explosion Hazard Data

Flash Point (method) NA	Autoignition Temp. NA	Flammability Non-flammable	LEI NA	UEI NA
Extinguishing Media: Agents for metal fires such as dry chemicals, dry sand or CO <sub>2</sub> to smother fire.				
Special Fire Fighting Procedures: Self-contained breathing apparatus should be worn by firemen fighting fires in structures where selenium compounds are stored.				
Unusual Fire and Explosion Hazards: Finely divided tantalum selenide dust may be potential explosion hazards when exposed to sparks, open flames, or high heat sources.				

### Section V Spill or Leak Process

Steps to be Taken in Case Material is Released or Spilled: Vacuum up spill and place in a container for proper disposal. Take care not to raise dust.
Waste Disposal Method (Consult federal, state or local authorities)



Other Protective Equipment/Work Practices: Wear protective clothing to avoid skin and clothing contamination.

**Section IX                      Special Precautions**

Precautions to be Taken in Handling and Storing: Keep containers closed.  
Wash hands and face thoroughly after handling material and before eating.

Transportation Requirements

DOT Class: Not classified

UN Number: Not classified

IMCO Class: Not classified

Other:

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, the Kurt J. Lesker Company makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon: User should satisfy himself that he had all current data relevant to his particular use.

ND = NO DATA FOUND                      NA = NOT APPLICABLE