





Material Safety Data Sheet

WHMIS (Pictograms)	WHMIS (Classification)	Protective Clothing
	Not controlled under WHMIS (Canada).	

Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Superlite Tin Oxide	Code	353501
Supplier	Debros Chemicals 11 Automatic Drive Brampton (Ontario) L6S 4K6 (905) 799-8200 2055 Hymus Blvd Dorval (Quebec) H9P 1J8 (514) 684-9775	CAS #	18282-10-5
Synonym	Not available.	DSL	CEPA DSL: Tin Oxide
Chemical Name	stannic oxide	CI#	Not available.
Chemical Family	Not available.	Validation Date	21/05/2009
Chemical Formula	SnO ₂	Print Date	07/02/2011
Manufacturer		In Case of Emergency	CHEMTREC: 1-800-424-9300
Material Uses	Not available.		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
No hazardous ingredient.				

Section 3. Hazards Identification

Potential Acute Health Effects	Slightly hazardous in case of eye contact (irritant), of inhalation (lung irritant).
Potential Chronic Health Effects	Slightly hazardous in case of inhalation (lung irritant). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4. First Aid Measures

Eye Contact	NO known EFFECT on eye contact, rinse with water for a few minutes. If irritation develops, seek medical attention.
Skin Contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. If irritation persists, seek medical attention.

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Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Ingestion	NO known EFFECT according to our data base. If ingested in large amounts, seek immediate medical attention.

Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	Use extinguishing media suitable for surrounding materials.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available. Not applicable. Not applicable.

Section 6. Accidental Release Measures

Small Spill and Leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill and Leak	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage

Precautions	Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label.
Incompatibility	Chlorine trifluoride
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	
<i>Eyes</i>	Safety glasses.
<i>Body</i>	Lab coat.
<i>Respiratory</i>	Dust respirator. Be sure to use an approved/certified respirator or equivalent.
<i>Hands</i>	Gloves (impervious).
<i>Feet</i>	Not applicable.

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Protective Clothing
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Exposure Limits

STEL: 4 (mg/m³) from ACGIH (TLV) [United States] Inhalation Total.
TWA: 2 (mg/m³) from NIOSH Inhalation Total.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Solid. (Powdered solid.)	Odor	Odorless.
Molecular Weight	150.7 g/mole	Taste	Not available.
pH (1% Soln/Water)	Not applicable.	Color	White.
Boiling/Condensation Point	Not available.		
Melting/Freezing Point	1630°C (2966°F)		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	6.95 (Water = 1)		
Vapor Pressure	Not applicable.		
Vapor Density	Not available.		
Volatility	Not available.		
Evaporation Rate	Not available.		
Odor Threshold	Not available.		
Viscosity	Not available.		
LogK _{ow}	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Insoluble in cold water, hot water, methanol.		
The Product is:	Non-flammable.		
Auto-ignition Temperature	Not applicable.		
Flash Points	Not applicable.		
Flammable Limits	Not applicable.		
Fire Hazards in Presence of Various Substances	Not applicable.		
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.		

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Section 10. Stability and Reactivity

Stability	The product is stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	Chlorine trifluoride
Corrosivity	Not available.
Hazardous Decomposition Products	Not available.
Special Remarks on Reactivity	Reacts violently with chlorine trifluoride.
Special Remarks on Corrosivity	Not available.

Section 11. Toxicological Information

Routes of Entry	Not available.
Toxicity to Animals	Acute oral toxicity (LD50): >2000 mg/kg [Rat].
Acute Effects on Humans	<p><i>Eyes</i> Slightly hazardous in case of eye contact (irritant).</p> <p><i>Skin</i> Not available.</p> <p><i>Inhalation</i> Slightly hazardous in case of inhalation (lung irritant).</p> <p><i>Ingestion</i> Not available.</p>
Chronic Effects on Humans	<p>Slightly hazardous in case of inhalation (lung irritant).</p> <p>CARCINOGENIC EFFECTS: Not available.</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Not available.</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>The substance is toxic to lungs.</p> <p>Repeated or prolonged exposure to the substance can produce target organs damage.</p>
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	Not available.

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Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Section 14. Transport Information

TDG Classification Not controlled under TDG (Canada).



PIN Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Not controlled under WHMIS (Canada).



Regulatory Lists CEPA DSL: Superlite Tin Oxide

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications HCS (U.S.A.) Class: Target organ effects.

USA Regulatory Lists

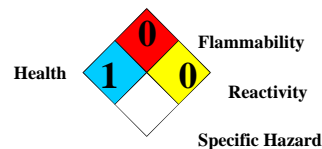
DSCL (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No products were found.

Hazardous Material Information System (U.S.A.)

Health	*	1
Flammability		0
Reactivity		0
Personal Protection		e

National Fire Protection Association (U.S.A.)



DOT (U.S.A) (Pictograms)



DSCL (Europe) (Pictograms)



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ADR (Europe)
(Pictograms)



Section 16. Other Information

References -Manufacturer's Material Safety Data Sheet.

Other Special Considerations Not available.

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