



610, rue Adanac, Quebec (Quebec) G1C 7B7

MATERIAL SAFETY DATA SHEET

Poison control center (Quebec)
(800) 463-5060

Tel. (Qc): (418) 660-8666
Tel. (Mt): (450) 443-1046
Fax. (Qc): (418) 660-8998

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Name: Ammonium selenate 98%

Product Number : AP-1004

Supplier : Laboratoire MAT Inc.
610 Adanac street
Quebec QC G1C 7B7
CANADA

Telephone : 418-660-8666
Fax : 418-660-8998
Emergency : 613-996-6666

SECTION 2: HAZARDS IDENTIFICATION

Statement of Hazard: Environmentally hazardous, Irritant, Toxic

Acute Health Hazard: Irritant to eyes, skin, mucous membranes and respiratory system.
May be toxic by ingestion and inhalation, harmful by skin absorption.

Chronic Health Hazard: Not Available

HMIS Rating: H: 3 F: 0 P: 0

NFPA Rating: H: 3 F: 0 R: 0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Acute toxicity, dermal (Category 4), H312
Acute toxicity, Inhalation (Category 3), H331
Acute toxicity, oral (Category 3), H301
Hazardous to the aquatic environment, chronic toxicity (Category 1), H410
Serious eye damage/eye irritation (Category 2A), H319
Skin corrosion/Irritation (Category 2), H315

Pictogram:



Signal Word:

Danger

Hazard Statement(s):

H301 Toxic if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H410 Very toxic to aquatic life with long-lasting effects.

Precautionary Statement(s):

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 IF SKIN Irritation occurs: Get medical advice/attention.
P391 Collect spillage. Hazardous to the aquatic environment.

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Chemical Name: Ammonium selenate 98%
CAS Number: 7783-21-3
MDL Number: MFCD00015963
EINECS Number: 231-985-7
Beilstein Registry Number: Not Available
Molecular Formula: $(\text{NH}_4)_2\text{SeO}_4$
Molecular Weight: 179.03
Content: As specified in product name.

SECTION 4: FIRST AID MEASURES

<u>Eye Contact:</u>	Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.
<u>Skin Contact:</u>	Wash skin with soap and water. If irritation persists, seek medical attention.
<u>Ingestion:</u>	Do not induce vomiting. Seek medical attention.
<u>Inhalation:</u>	Move to a fresh air environment. Contact a physician if breathing becomes difficult.

SECTION 5: FIRE FIGHTING MEASURES

<u>Flash Point (°C):</u>	Not Available
<u>Explosion Limits:</u>	Not Available
<u>Auto Ignition Temperature (°C):</u>	Not Available
<u>Extinguishing Media:</u>	Carbon dioxide, dry chemical powder, alcohol-resistant foam, or water spray
<u>Protective Equipment:</u>	Wear self-contained respirator and fully protective impervious suit.
<u>Specific Hazards:</u>	May emit hazardous fumes under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

<u>Personal Protection:</u>	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use. Remove from ignition sources if safe to do so. Follow emergency response plan and contact proper authorities if needed. Keep unprotected persons away.
<u>Environmental Protection:</u>	Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

SECTION 7: HANDLING and STORAGE

<u>Handling and Storage:</u>	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away. Store in a tightly closed container in a dry, well-ventilated place.
<u>Sensitivities:</u>	Not Available
<u>Storage Temperature (°C):</u>	15 to 30

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use product in a well ventilated area or under a fume hood. Use proper lab equipment while handling this product. Keep away from incompatible materials for possible risk of hazardous reaction.

Eye Protection: Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash station in your vicinity.

Skin Protection: Wear impervious gloves and protective clothing.

Respiratory Protection: Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

<u>Exposure Limits:</u>	<u>Country</u>	<u>Source</u>	<u>Type</u>	<u>Value</u>
	USA	ACGIH	TWA	Not Available
	USA	OSHA	STEL	Not Available
	USA	OSHA	PEL	Not Available

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Appearance: Not Available

Odor: Not Available

Odor Threshold: Not Available

Flash Point (°C): Not Available

Auto Ignition Temperature (°C): Not Available

UEL % by Volume: Not Available

LEL % by Volume: Not Available

Melting Point (°C): Not Available

Boiling Point (°C): Not Available

<u>Evaporation Rate:</u>	Not Available
<u>pH Value:</u>	Not Available
<u>Density (g/cm³):</u>	2.194
<u>Refractive Index (n^{20D}):</u>	Not Available
<u>Viscosity:</u>	Not Available
<u>Solubility in Water:</u>	Not Available
<u>Solubility In Other:</u>	Not Available
<u>Vapor Pressure (mmHg):</u>	Not Available
<u>Vapor Density (Air=1):</u>	Not Available

SECTION 10: STABILITY and REACTIVITY

<u>Stability:</u>	Stable under normal temperatures and pressures.
<u>Incompatibility:</u>	Oxidizing agents, acids
<u>Reactivity:</u>	Product may react with incompatible materials to release other hazardous substances.
<u>Conditions to Avoid:</u>	Heat, flame, sparks, other ignition sources.
<u>Hazardous Decomposition Products:</u>	Nitrogen oxides, Selenium oxides

SECTION 11: TOXICOLOGICAL INFORMATION

<u>RTECS Reference:</u>	Not Available
<u>Target Organs:</u>	Not Available
<u>Toxicity Data:</u>	Not Available
<u>Carcinogenicity:</u>	National Toxicology Program (NTP) listed: Not Available
	International Agency for Research on Cancer (IARC) listed: Not Available
<u>Potential Symptoms:</u>	Not Available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Selenates
DOT UN Number: UN2630
DOT Hazard Class: Class 6.1
DOT Packing Group: PGI
IMDG Shipping Name: Selenates
IMDG UN Number: UN2630
IMDG Hazard Class: Class 6.1
IMDG Packing Group: PGI
Marine Pollutant: No
IATA Shipping Name: Selenates
IATA UN Number: UN2630
IATA Hazard Class: Class 6.1
IATA Packing Group: PGI

SECTION 15: REGULATORY INFORMATION

United States

Toxic Substance Control Act (TSCA) listed: Yes
Superfund Amendments and Reauthorization Act (SARA 302) listed: No
Superfund Amendments and Reauthorization Act (SARA 311/312) listed: No
Superfund Amendments and Reauthorization Act (SARA 313) listed: No

European Union

European Inventory of Existing Chemical Substances (EINECS): 231-985-7

Canada

Canadian Domestic Substances List (DSL) listed: No

Canadian Non-Domestic Substances List (NDSL) listed: No

SECTION 16: OTHER INFORMATION

Further information

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. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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