



Centre Anti-Poison pour le Québec: (800) 463-5060

Tél. (Qc): (418) 660-8666 / 800-890-8666


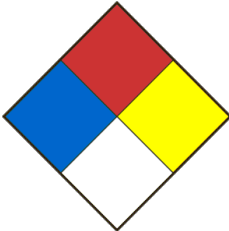
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SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier SODIUM ARSENITE		Product Use Laboratory use	
Chemical formula NaAsO ₂		Product code SP-0602	Molar weight 129,91
Chemical name / Commercial name / Synonymous SODIUM ARSENITE, SODIUM META-ARSENITE, ARSENIIOUS ACID SODIUM SALT, Sodium dioxoarsenate			
Supplier's name Laboratoire MAT		Address-Street 610, Adanac Street	
City Québec		Province Québec	
Postal code G1C 7B7	Internet www.labmat.com	Phone number 418-660-8666 / 800-890-8666	
Emergency phone	CANUTEC: 613-996-6666		CENTRE ANTI-POISON DU QUÉBEC 800-463-5060
Date SDS 12/17/2020	SDS Prepared by Laboratoire MAT		E-Mail labmat@labmat.com

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Carcinogenicity category 1A Acute toxicity - Oral category 2 Acute toxicity - Dermal category 2 Acute toxicity - Inhalation category 3	
Signal Word	DANGER	
Hazards statements (H)	H300 Fatal if swallowed. H310 Fatal in contact with skin. H331 Toxic if inhaled. H350 May cause cancer.	
Precautionary statements (P)	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust / fume / gas / mist / vapors / spray. P262 Do not get in eyes, on skin, or on clothing. P264 Wash the areas of the body that have been in contact with the product after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. 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. P308 + P313 IF exposed or concerned: Get medical advice/attention. P310 Immediately call a POISON CENTER or doctor/physician. P311 Call a POISON CENTER or doctor/physician. P321 Specific treatment (see section 4 of the SDS and on this label). P330 Rinse mouth. P361 + P364 Take off immediately all contaminated clothing and wash it before reuse. P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.	
PICTOGRAMS		
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)	
	Health 4 Fire 0 Reactivity 0 Special danger	

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Arsénite de sodium	7784-46-5	<=100

SECTION 04 - FIRST AID MEASURES

Eye contact	Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. Seek immediate medical attention.
Skin contact	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. Seek immediate medical attention.
Inhalation	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Seek immediate medical attention.
Ingestion	If the person is conscious, give water to drink. Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms and effects (acute and delayed)	Main symptoms of high exposure: Diarrhea. Nausea and vomiting. Gastrointestinal disorders. Cough. Abdominal pain. Skin irritation. Headaches. Redness. Breathing difficulties. Burning sensation in throat and chest. Effects may be delayed. Ref. section 11.
Immediate medical attention and special treatment, if necessary	In case of medical consultation, keep this sheet available.
General advice	Show this safety data sheet to the doctor in attendance.

SECTION 05 - FIREFIGHTING MEASURES

Flammability	No
Ignition conditions	Not flammable or combustible.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Data not available.
Hazardous combustion products	Hazardous combustion products formed under fire conditions: - Sodium oxides. Arsenic oxides.
Special fire and explosion hazards	May react violently with incompatible products (Ref Section 10).
Special protective equipment and precautions for firefighters	Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus.

SECTION 06 - ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up / Personnel precautions, protective equipment	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Use a respirator as needed. Pick up with a shovel or broom, taking care not to scatter dust. Clean and rinse with water. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains.
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SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Hygroscopic. Keep container tightly closed in a dry and well-ventilated place. Keep container tightly closed and store away from moisture and incompatible products.
Methods of handling	Very harmful product. Ensure adequate ventilation. Use a hood preferably. Otherwise wear appropriate respiratory equipment. Avoid contact with the skin, eyes and clothes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust or vapor is formed. Avoid ingestion and inhalation. Wear personal protective equipment when handling. Always ensure good ventilation. Transport according to TDG (ref Section 14)

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	No.-CAS	Control parameters	Value	Basis
Sodium arsenite	7784-46-5	TWA	0.01mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
Remarks: Confirmed Human Carcinogen (means that the agent is carcinogenic to humans)				
		TWAEV	0.01mg/m3	Quebec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWA	0.01mg/m3	Canada. British Columbia OEL
Remarks: IARC '1' applies to substances categorized as carcinogenic to humans, and used when there is sufficient evidence of carcinogenicity in humans. ACGIH 'A1' applies to those substances confirmed as human carcinogens based on the weight of evidence from epidemiological studies				
		TWA	0.01mg/m3	Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
Remarks:	Denotes a chemical agent listed in Table 1 of Ontario Regulation 490/09 (Designated Substances) made under the Act. See clause 2 (2) (a) of this Regulation.			
		STEL	0.05mg/m3	Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
Remarks:	Denotes a chemical agent listed in Table 1 of Ontario Regulation 490/09 (Designated Substances) made under the Act. See clause 2 (2) (a) of this Regulation.			

Data source	Sigma-Aldrich.
Ventilation	Fan.
Respiratory	If work under the hood is not possible, or if the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.
Gloves	Handle with gloves.
Eyes	Safety goggles with safety shutters.
Shoes	Safety shoes.

Clothing	Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Engineering control	Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values.

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid.
Appearance	Poudre blanche ou grise.
Odour	Inodore.
Odour threshold	Data not available
pH	Donnée non-disponible.
Melting point / Freezing point	615°C
Initial boiling point	Data not available
Boiling range	Data not available
Flash point	Data not available
Evaporation rate	Data not available
Flammability	No
Lower flammable / Explosive limit	Data not available
Upper flammable / Explosive limit	Data not available
Vapour pressure	Data not available
Vapour density	Data not available
Relative density	1.87g/ml à 20°C
Solubility	Très soluble dans l'eau. Légèrement soluble dans l'alcool.
Partition coefficient water/n-octanol	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	Data not available
Viscosity	Data not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Basic product, reacts violently with strong acids.
Chemical stability	Stable under recommended storage conditions. Air sensitive. Moisture sensitive.
Possibility of hazardous reactions	May react violently with incompatible substances.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Hygroscopic. Sensitive to the air. This product quickly absorbs moisture and carbon dioxide from the air. Slowly converts to arsenate solution with oxygen in the air. Decomposes on contact with carbon dioxide in air.
Incompatible material	Strong oxidizing agents (nitric acid, perchloric acid, peroxides, chlorates and perchlorates), strong acids and moisture.
Hazardous decomposition products	Toxic vapors of arsenic oxides. Arsine. - Sodium oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

SODIUM ARSENITE

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Irritation and may cause inflammation of the conjunctiva.
- Skin	Irritation and dermatitis.
- Inhalation	Irritation of the mucous membranes and respiratory tract. Nervous disorders, chest pain, cough, dyspnea, bronchitis, headache, dizziness, confusion, nausea and vomiting.
Acute toxicity (Ingestion)	Irritation of the mucous membranes. Gastrointestinal disorders, liver and kidney damage, diarrhea, headache, dizziness, salivation, peripheral neuropathy, seizures, muscle cramps, paralysis, cyanosis, coma and can lead to death.
Chronic exposure effects / symptoms	Reference is made to the toxicity of inorganic arsenic compounds. Burning sensation, dermatitis, conjunctivitis, skin lesions (erythema, papules, ulcerations), hyperpigmentation and skin sensitization, hyperkeratosis (palms of the hands and soles of the feet), chest pain, cough, dyspnea, pharyngitis, ulceration and perforation of the nasal septum, headache, dizziness, confusion, irritability, fatigue, anemia, peripheral neuropathies, hematopoietic disorders, cardiovascular disorders, weight loss and loss of appetite, convulsions, nausea and vomiting. Prolonged exposure to this product is likely to cause cancer. Is recognized as a carcinogen (class 1) by IARC.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 41 mg/kg. LD50 Dermal - Rat - 150 mg/kg.
CL50 (specify species and route of entry)	LC50 - Inhalation - Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Toxicity to daphnia and other aquatic invertebrates: CE50- 1.5 mg/l - 48 h.
Persistence and degradability	May persist based on information provided.
Bioaccumulative potential	Data not available.
Mobility in soil	Probable mobility due to its solubility in water.
Other adverse effects	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not flush into surface water or sanitary sewer system.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company.
Contaminated Packaging	Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

UN Number	2027
UN Proper shipping name	ARSÉNITE DE SODIUM SOLIDE
Transport hazard class(es)	6.1 Toxic substances
Packing group	II
Limited quantity index	0,5kg
ERAP Index	-
Special precautions	-

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Carcinogenicity category 1A Acute toxicity - Oral category 2 Acute toxicity - Dermal category 2 Acute toxicity - Inhalation category 3
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SECTION 16 - OTHER INFORMATION

Further information

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. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. 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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