



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

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


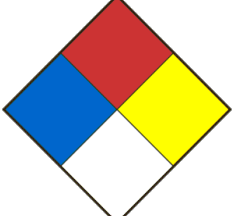
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SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier VINYL ACETATE (stabilised with hydroquinone)		Product Use Laboratory use	
Chemical formula C ₄ H ₆ O ₂		Product code VR-0111	Molar weight 86,09
Chemical name / Commercial name / Synonymous VINYL ACETATE, ACETIC ACID ETHENYL ESTER, ACETIC ACID VINYL ESTER, 1-ACETOXYETHYLENE, ETHENYL ACETATE, VAC, VINYL A MONOMER			
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 11/6/2019	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	<p>Flammable liquids category 2</p> <p>Carcinogenicity category 2</p> <p>Acute toxicity - Inhalation category 4</p> <p>Specific target organ toxicity - Single exposure category 3</p> <p>Physical hazard not otherwise classified category 1</p>
Signal Word	<p>DANGER</p>
Hazards statements (H)	<p>H225 Highly flammable liquid and vapour.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H351 Suspected of causing cancer.</p> <p>LMH005 Other danger not classified by other categories, causing serious injury or death at the time of a reaction Hazardous Polymerization Can Occur.</p>
Precautionary statements (P)	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical/ventilating/lighting equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P261 Avoid breathing dust / fume / gas / mist / vapours / spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P308 + P313 IF exposed or concerned: Get medical advice/attention.</p> <p>P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P370 + P378 In case of fire: Use dry powder or dry sand for extinction.</p> <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403 + P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.</p> <p>LMP005 Caution is required, you have to add an inhibitor.</p>
PICTOGRAMS	
Other dangers	<p>NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)</p>
	<p>Health 3</p> <p>Fire 4</p> <p>Reactivity 2</p> <p>Special danger</p>

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Acétate de vinyle	108-05-4	>99
Hydroquinone (Comme stabilisant)	123-31-9	<0.01

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. If irritation persists, seek medical attention.
Skin contact	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.
Inhalation	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	Do NOT induce vomiting. If the person is conscious, rinse the mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms and effects (acute and 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	Yes
Ignition conditions	Strong oxidizing agents, heat, sparks and open flame.
Suitable extinguishing media	Dry powder or dry sand.
Unsuitable extinguishing media	Do not use a jet of water.
Hazardous combustion / decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides.
Special fire and explosion hazards	Steam can travel a great distance and ignite on sources of ignition such as heaters, electrical appliances, cigarettes, sparks, etc. Containers exposed to fire may explode. Vapors may form explosive mixtures with air. This product when not stabilized by an inhibitor may polymerize violently in the presence of heat, oxygen, penetrating electromagnetic radiation, peroxides and light. May react violently with incompatible products (Ref Section 10). Strong acids and strong bases can hydrolyze this product and lead to self-curing. Vapors may react violently with alumina or silica gel. Violent reactions in contact with dibenzoyl peroxide + ethyl acetate, chlorosulfonic acid, 2-aminoethanol, ethylenediamine, ethyleneimine, ozone and toluene. The return flame distance can be considerable.
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 / Personal precautions, protective equipment	Evacuate personnel to safe areas. Cut off all sources of ignition. Cover residues with activated charcoal absorbent to neutralize the product. Clean and rinse with water. Ensure a good ventilation of the premises. Dispose of residues in a container provided for the disposal of hazardous materials. When handling, wear appropriate safety equipment. Use a respirator as needed. Do not let product enter drains.
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SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Recommended storage temperature: 2 - 8 ° C. Keep container tightly closed and store away from heat, sparks and open flame. Use venting and electrical equipment that is grounded and does not produce ignition sources (sparks). Protect from sunlight and light.
Methods of handling	Bottle in the glass only. 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	CAS-No.	Control	Value	Basis
VINYL ACETATE	108-05-4	TWA	10 ppm 35 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		STEL	15 ppm 53 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		TWA	10 ppm	Canada. British Columbia OEL
IARC "2B" applies to substances that are considered to be possibly carcinogenic in humans.				
		STEL	15 ppm	Canada. British Columbia OEL
IARC "2B" applies to substances that are considered to be possibly carcinogenic in humans.				
		VEMP	10 ppm 35 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
A carcinogenic effect demonstrated in animals. For these substances, animal carcinogenicity studies are not necessarily transposable to the human.				
		VECD	15 ppm 53 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
A carcinogenic effect demonstrated in animals. For these substances, animal carcinogenicity studies are not necessarily transposable to the human.				

Data source	Sigma-Aldrich.
Ventilation	Use fan.
Respiratory	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	Liquid.
Appearance	Incolore.
Odour	Doux..
Odour threshold	0.1 ppm
pH	pH = 7.0 (neutre).
Melting point / Freezing point	-93°C
Initial boiling point	72-73°C
Boiling range	Data not available
Flash point	-8°C
Evaporation rate	3.3 (éther = 1).
Flammability	Yes
Lower flammable / Explosive limit	2.6%
Upper flammable / Explosive limit	13.4%
Vapour pressure	88.0 mmHg @ 20°C.
Vapour density	2.97 (air = 1)-
Relative density	0.934g/cm ³
Solubility	Peu soluble dans l'eau. Miscible avec l'alcool et l'éther.
Partition coefficient water/n-octanol	log Kow : 0.73-
Auto-ignition temperature	385°C
Decomposition temperature	Data not available
Viscosity	0.43 cPs à 20°C.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions. Unstable after the exhaustion of the inherent agent.
Possibility of hazardous reactions	Stable under normal conditions. Polymerizes easily without inhibitors.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Heat, humidity and light. Heat, flames, sparks. Avoid contact with incompatible materials and extreme temperatures.
Incompatible material	Strong oxidizing agents (nitric acid, perchloric acid, peroxides, chlorates and perchlorates), strong acids and strong bases, peroxides, alumina, 2-aminoethanol, ethylenediamine, ethyleneimine, silica gel, ozone, heat, moisture and light. Metals. Butyl rubber.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

VINYL ACETATE (STABILISED WITH HYDROQUINONE)

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. Narcotic effects, chest pain, cough, dyspnea, headache, dizziness, watery eyes, nausea and vomiting, salivation, convulsions, cyanosis and may cause pulmonary edema.
Acute toxicity (Ingestion)	Irritation of the mucous membranes. Narcotic effects, liver and kidney damage, gastrointestinal disorders, cramps, diarrhea, headache, dizziness, drowsiness, tremors, salivation, convulsions, nausea and vomiting.
Chronic exposure effects / symptoms	Is recognized as a possible carcinogen for humans (class 2B) by IARC. Burning sensation, dermatitis, conjunctivitis, narcotic effects, heart and lung damage, chest pain, cough, dyspnoea, laryngitis, headache, dizziness, somnolence, salivation, sweating, pallor, tremors, tachycardia, muscle weakness, weight loss and loss of appetite, nausea and vomiting.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 2900 mg/kg. LD50 Dermal - Rabbit - 2335 mg/kg.
CL50 (specify species and route of entry)	CL50 inhalation - Rat 3680 ppm - 4h.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	EC50 - Daphnia magna (Water flea) - Static test: 12.6 mg/L - 48 h.
Persistence and degradability	Aerobic biodegradability - Duration of exposure 14 d Result: 82 - 98% - Readily biodegradable. (OECD Guideline 301 C)
Bioaccumulative potential	Data not available.
Mobility in soil	Probable mobility in the environment due to its volatility.
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. May be harmful in the long term for aquatic organisms. All littering must be avoided in the environment.

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	1301
UN Proper shipping name	ACÉTATE DE VINYLE STABILISÉ
Transport hazard class(es)	3 Flammable liquids
Packing group	II
Limited quantity index	1L
ERAP Index	-
Special precautions	155

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Flammable liquids category 2 Carcinogenicity category 2 Acute toxicity - Inhalation category 4 Specific target organ toxicity - Single exposure category 3 Physical hazard not otherwise classified category 1
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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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