



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

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

Fax. (Qc): (418) 660-8998

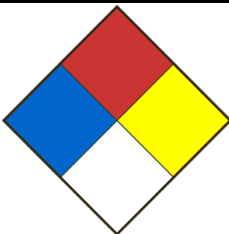
SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier FORMALDÉHYDE 8%P/P DANS MÉTHANOL		Product Use Laboratory use	
Chemical formula HCHO / CH ₃ OH		Product code FS-0892	Molar weight
Chemical name / Commercial name / Synonymous -			
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 1/12/2023	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Serious eye damage/eye irritation - Serious eye damage category 1 Carcinogenicity category 1A Specific Target Organ Toxicity - Single exposure category 1 Specific Target Organ Toxicity - Repeated exposure category 1 Respiratory or skin sensitization - Skin sensitize category 1 Germ cell mutagenicity category 2 Acute toxicity - Oral category 4 Acute toxicity - Inhalation category 4 Skin corrosion/irritation - Skin corrosion category 1 Flammable liquids category 2	
Signal Word	DANGER	
Hazards statements (H)	H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H341 Suspected of causing genetic defects . H350 May cause cancer. H370 Causes damage to organs. H372 Causes damage to organs through prolonged or repeated exposure. H302 Harmful if swallowed. H332 Harmful if inhaled. H314 Causes severe skin burns and eye damage. H225 Highly flammable liquid and vapor.	
Precautionary statements (P)	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust / fume / gas / mist / vapors / spray. P261 Avoid breathing dust / fume / gas / mist / vapors / spray. 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. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection. 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. P308 + P311 IF exposed or concerned: Call a POISON CENTER or a doctor. P308 + P313 IF exposed or concerned: Get medical advice/attention. P310 Immediately call a POISON CENTER or doctor/physician. P314 Get medical advice/attention if you feel unwell. P321 Specific treatment (see section 4 of the SDS and on this label). P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P405 Store locked up. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P363 Wash contaminated clothing before reuse. P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.	

	P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P370 + P378 In case of fire: Use water spray or alcohol-resistant foam, or dry powder or carbon dioxide for extinction. P403 + P235 Store in a well-ventilated place. Keep cool.
PICTOGRAMS	
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)
	Health 3 Fire 4 Reactivity 0 Special danger

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Formaldéhyde	50-00-0	8
Méthanol	67-56-1	81,5
Eau	7732-18-5	Balance

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	If breathed in, move person into fresh air. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	If the person is conscious, give water to drink. 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: Blurry vision. Dizziness. Nausea and vomiting. Digestive disorders. Tiredness. Headaches. Skin sensitizer. Pneumonia. Diarrhea. Cough. 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 06 - ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up / Personnal precautions, protective equipment	Evacuate personnel to safe areas. Cut off all sources of ignition. Avoid the accumulation of charges electrostatic. Ensure a good ventilation of the premises. When handling, wear appropriate safety equipment. Use a respirator as needed. Absorb the product with sand or vermiculite. Dilute residues with water, clean and rinse. 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	Store in a cool, dry place. Protect from the sun's rays. Keep container tightly closed and store away from heat, water, moisture, and incompatible products. Use venting and electrical equipment that is grounded and does not produce ignition sources (sparks).
Methods of handling	Always open containers slowly to allow any excess pressure to vent. Avoid ingestion and inhalation. Ensure good ventilation. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. 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

Composants	No.-CAS	Control parameters	Value	Basis
Formaldéhyde	50-00-0	(c)	1.000000 ppm 1.300000 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
Remarques	cancérogène classe A1 pour l'homme			
		TWA	0.750000 ppm 0.900000 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	cancérogène classe A1 pour l'homme			
		TWA	0.300000 ppm	Canada. British Columbia OEL
	cancérogène classe A1 pour l'homme			
		C	1.000000 ppm	Canada. British Columbia OEL
	cancérogène classe A1 pour l'homme			
		P	2.000000 ppm 3.000000 mg/m3	Québec. Règlement sur la santé et la sécurité du travail, Annexe 1 Partie 1: Valeurs d'exposition admissibles des contaminants de l'air
	Cancérogène classe A1 pour l'homme. Une substance dont la recirculation est prohibée conformément à l'article 108.			

Components	CAS-No.	Value	Control parameters	Basis
Methanol	67-56-1	TWA	200.000000 ppm 262.000000 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
Remarks	Substance may be readily absorbed through intact skin			
		STEL	250.000000 ppm 328.000000 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	Substance may be readily absorbed through intact skin			
		TWA	200.000000 ppm	Canada. British Columbia OEL
	Contributes significantly to the overall exposure by the skin route.			
		STEL	250.000000 ppm	Canada. British Columbia OEL
	Contributes significantly to the overall exposure by the skin route.			
		TWAEV	200.000000 ppm 262.000000 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	Skin (percutaneous)			
		STEV	250.000000 ppm 328.000000 mg/m3	Québec. Regulation respecting occupational

				health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	Skin (percutaneous)			
		TWA	200.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	250.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)

Data source	Sigma-Aldrich (Millipore Sigma)
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	Liquid.
Appearance	Incolore-
Odour	Donnée non disponible.
Odour threshold	Data not available
pH	Donnée non disponible.
Melting point / Freezing point	-97.8 (Méthanol)°C
Initial boiling point	64.6 (Méthanol)°C
Boiling range	Data not available
Flash point	9.7 °C @ 101.3 kPa (Coupelle fermée) (Méthanol)-
Evaporation rate	<=0.001 (Méthanol)%
Flammability	Yes
Lower flammable / Explosive limit	6 (Méthanol)%
Upper flammable / Explosive limit	36 (Méthanol)%
Vapour pressure	130.3 hPa (97.7 mmHg) à 20.0 °C / 169.27 hPa (126.96 mmHg) à 25.0°C (Méthanol)-
Solubility	Miscible avec l'eau, les alcools et l'éther, acétone.
Vapour density	1.11 (Méthanol)-
Relative density	0.84 g/ml (Théorique)g/ml
Partition coefficient water/n-octanol	Data not available
Auto-ignition temperature	455.0 °C à 1,013 hPa (760 mmHg)-
Decomposition temperature	Data not available
Viscosity	0.544 mPa sec (at 25 deg C) (Méthanol)-

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Flammable product, may ignite with source of ignition, if temperature above flash point. May ignite on contact with oxidants. May react violently with incompatible substances.
Chemical stability	Stable under recommended storage conditions. If heated strongly, it emits toxic fumes.
Possibility of hazardous reactions	Stable under normal conditions. Vapors may form explosive mixture with air. Highly flammable liquid and vapors. Vapors may be ignited by electrostatic discharge. Keep away from open flames, hot surfaces and sources of ignition.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Avoid contact with incompatible materials and extreme temperatures. Heat, flames, sparks. In contact with air, formaldehyde oxidizes to formic acid which is unstabilized and causes polymerization (deposition).
Incompatible material	Acids, Oxidants, Acid Chlorides, Acid Anhydrides, Alkali Metals, Reducing Agents. Strong bases. Isocyanates. Nitriles. Amines. Aniline. Phenol.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides. Paraformaldehyde.

SECTION 11 - TOXICOLOGICAL INFORMATION

FORMALDEHYDE 37%

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Severe irritation and burns that may cause permanent eye damage.
- Skin	Irritation and dermatitis. Prolonged skin contact may result in an allergic reaction characterized mainly by erythematous or eczematous lesions.
- Inhalation	Irritation of the mucous membranes and respiratory tract. Pains in the chest, respiratory allergies, cough, dyspnea, headache, dizziness, watery eyes, congestion, bronchial spasms and may lead to pulmonary edema.
Acute toxicity (Ingestion)	Irritation and burning of the esophagus and stomach. Abdominal pain, cramps, diarrhea, nausea and vomiting, hematemesis, acidosis, hematuria, anuria, vertigo, pallor, blindness, convulsions, stupor, respiratory collapse, coma and can lead to death.
Chronic exposure effects / symptoms	Is recognized as a carcinogen (class 1) by IARC. Burning sensation, dermatitis, conjunctivitis, chest pain, eye and lung damage, respiratory and skin allergies, cough, dyspnoea, bronchitis, dry throat, headache, dizziness, confusion, irritability, tearing, choking, sleep, intense thirst, sweating, salivation, fatigue, paleness, muscle weakness, weight loss and loss of appetite, convulsions, nausea and vomiting.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 460 mg/kg. LD50 Dermal - Data not available.
CL50 (specify species and route of entry)	LC50 Inhalation - Rat - 4h - 463 ppm.

METHANOL

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	May cause eye irritation.
- Skin	Irritation and dermatitis.
- Inhalation	Irritation of the mucous membranes and respiratory tract. Narcotic effects, chest pain, cough, dyspnea, headache, dizziness, watery eyes, paresthesia, nystagmus, drowsiness, confusion, nausea and vomiting.
Acute toxicity (Ingestion)	Irritation of the mucous membranes. Narcotic effects, liver, kidney and eye damage, abdominal pain, cramps, diarrhea, headache, dizziness, paresthesia, nystagmus, drowsiness, incoordination, acidosis, nausea and vomiting, seizures, hypotension, respiratory collapse, loss of consciousness, coma and can lead to death. Acute absorption of methanol can cause blindness. Damage to: liver, kidneys, eyes, heart, central nervous system.
Chronic exposure effects / symptoms	Headache, dizziness, nausea, visual disturbances, decreased visual acuity, liver and kidney damage.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 1187 mg/kg LD50 Dermal - Lapin-15840 mg/kg
CL50 (specify species and route of entry)	LC50 Inhalation - Rat: 64000 ppm/4 h. LC50 Inhalation - Rat 115.9-130.7mg/L air / 4h.

SUMMARY

Acute exposure effects / Symptoms:	By exposure routes below.
Ingestion	To our knowledge, the product has not been fully evaluated
Inhalation	To our knowledge, the product has not been fully evaluated
Skin	To our knowledge, the product has not been fully evaluated
Eyes	To our knowledge, the product has not been fully evaluated
Chronic exposure effects / Symptoms:	To our knowledge, the product has not been fully evaluated
ETA Mix (Estimated Acute Toxicity)	LD50 Oral: 1161 mg/kg - Rat LD50 Dermal: > 5000 mg/kg - Rabbit LC50 Inhalation: 5368 ppm - 4h - Rat

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Methanol: Toxicity to fish: mortality LC50 - Lepomis macrochirus (Bluegill) - 15,400.0 mg/l - 96 h.
Persistence and degradability	Biodegradability aerobic Result: 72 % - rapidly biodegradable.
Bioaccumulative potential	Bioaccumulation Cyprinus carpio (Carp) - 72 d at 20 °C Bioconcentration factor (BCF): 1.
Mobility in soil	Will not adsorb on soil.
Other adverse effects	Avoid release to 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	1992
UN Proper shipping name	LIQUIDE INFLAMMABLE, TOXIQUE, N.S.A.(Méthanol, Formaldéhyde)
Transport hazard class(es)	3 Flammable liquids 6.1 Toxic substances
Packing group	II
Limited quantity index	1L
ERAP Index	-
Special precautions	16, 43

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Serious eye damage/eye irritation - Serious eye damage category 1 Carcinogenicity category 1A Specific Target Organ Toxicity - Single exposure category 1 Specific Target Organ Toxicity - Repeated exposure category 1 Respiratory or skin sensitization - Skin sensitize category 1 Germ cell mutagenicity category 2 Acute toxicity - Oral category 4 Acute toxicity - Inhalation category 4 Skin corrosion/irritation - Skin corrosion category 1 Flammable liquids category 2
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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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