



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

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

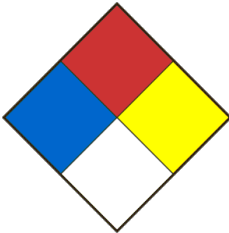
Fax. (Qc): (418) 660-8998

SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier o-CRESOL		Product Use Laboratory use	
Chemical formula C ₇ H ₈ O		Product code CR-0159	Molar weight 108,14
Chemical name / Commercial name / Synonymous 1-Hydroxy-2-méthylbenzène 2-Crésol 2-Hydroxytoluène 2-Méthylphénol Acide crésylique (ortho-) Crésol (ortho-) Hydroxy-2 méthyl-1 benzène o-Cresylic acid o-Hydroxytoluène o-Méthylphényl o-Oxytoluène ortho-Hydroxyméthylbenzène ortho-Hydroxytoluène			
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 8/21/2019	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Acute toxicity - Oral category 3 Acute toxicity - Dermal category 3 Serious eye damage/eye irritation - Serious eye damage category 1 Skin corrosion/irritation - Skin corrosion category 1B	
Signal Word	DANGER	
Hazards statements (H)	H301 Toxic if swallowed. H311 Toxic in contact with skin. H318 Causes serious eye damage. H314 Causes severe skin burns and eye damage.	
Precautionary statements (P)	P260 Do not breathe dust / fume / gas / mist / vapours / 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. 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. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P321 Specific treatment (see section 4 of the SDS and on this label). P330 Rinse mouth. P363 Wash contaminated clothing 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 + 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. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.	
PICTOGRAMS		
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)	
	Health 3 Fire 0 Reactivity 0 Special danger	

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Ortho-Crésol	95-48-7	≤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. If irritation persists, seek medical attention.
Skin contact	If irritation persists, seek medical attention.
Inhalation	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. If the victim is not breathing, give artificial respiration. If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	If the person is conscious, drink water and do not induce vomiting. Get immediate medical help. Never give anything by mouth to an unconscious person. Rinse mouth with water.
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	No
Ignition conditions	It is not considered flammable, but can burn at high temperatures.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Data not available.
Hazardous combustion / decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides. Formaldehyde.
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. Cut off all sources of ignition. Absorb the product with sand or vermiculite. Dilute residues with water, clean and rinse. Ensure a good ventilation of the premises. Dispose of residues in a container for disposal of hazardous materials. When handling, wear suitable safety equipment. Use breathing apparatus if necessary. Avoid breathing vapours, mist or gas. 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. Keep container tightly closed and store away from oxidizing agents, heat, moisture and incompatible materials. Air and light sensitive. Store in a well-ventilated area. Store under nitrogen.
Methods of handling	Ensure good ventilation. 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

Components	CAS-No.	Value	Control parameters	Basis
o-Cresol	95-48-7	TWA	5.000000 ppm 22.000000 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
Remarks	Substance may be readily absorbed through intact skin			
	TWA 5.000000 ppm 22.000000 mg/m3 Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants			
	Skin (percutaneous)			
		TWAEV	5.000000 ppm 22.000000 mg/m3	Canada. Ontario OELs
	Skin			
		TWA	10.000000 mg/m3	Canada. British Columbia OEL
	Contributes significantly to the overall exposure by the skin route.			
		TWA	5.000000 ppm 22.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
	Skin contact does contribute to exposure.			
		TWA	5.000000 ppm 22.000000 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	Substance may be readily absorbed through intact skin			
		TWA	10.000000 mg/m3	Canada. British Columbia OEL
	Contributes significantly to the overall exposure by the skin route.			
		TWAEV	5.000000 ppm 22.000000 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	Skin (percutaneous)			
		TWA	5.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	20.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		TWA	20 mg/m3	USA. ACGIH Threshold Limit Values (TLV)

Data source	Sigma-Aldrich (Millipore Sigma)
Ventilation	Use 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	Liquide brun, devenant solide près de la température pièce.
Odour	Forte odeur de phénol.
Odour threshold	Data not available
pH	4.5 à 25g/L.
Melting point / Freezing point	30-32°C
Initial boiling point	191°C
Boiling range	Data not available
Flash point	81°C
Evaporation rate	Data not available
Flammability	No
Lower flammable / Explosive limit	1.3% v/v
Upper flammable / Explosive limit	58% v/v
Vapour pressure	Data not available
Vapour density	Data not available
Relative density	1.048g/ml à 20°C
Solubility	Eau (25g/L) soluble dans alcool, acétone, benzène.
Partition coefficient water/n-octanol	Log Pow 1.95-
Auto-ignition temperature	555-599°C
Decomposition temperature	Data not available
Viscosity	3.06mPa.s

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions. May discolor on exposure to light. Air sensitive.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	This product becomes black when exposed to air.
Incompatible material	Strong oxidizing agents. Bases.
Hazardous decomposition products	Toxic vapors of carbon monoxide and dioxide. Formaldehyde.

SECTION 11 - TOXICOLOGICAL INFORMATION

O-CRESOL

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Inflammation, opacification and vascularization of the cornea as well as a possible loss of vision.
- Skin	Burning sensation followed by local anesthesia. The skin becomes whitish, thickened and wrinkled, then becomes blackish, a sign of necrosis.
- Inhalation	Dryness of the mucous membranes, nasal constriction and throat irritation. There is a possibility of pulmonary edema during massive exposure to vapors or mists. The symptoms of pulmonary edema (mainly coughing and breathing difficulties) often occur after up to 48 hours. Physical exertion can aggravate these symptoms. The product is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Acute toxicity (Ingestion)	Toxic if swallowed. Ingestion causes a severe swelling, severe damage to delicate tissue and danger of perforation.
Chronic exposure effects / symptoms	Inhalation or skin absorption: Symptoms of overexposure may include headache, dizziness, tiredness, nausea and vomiting: The product is a corrosive material. Do not perform gastric lavage, do not induce vomiting. Check for stomach or oesophageal perforation: Ingestion causes severe swelling, severe tissue damage and danger of perforation.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 121 mg/kg. LD50 Dermal - Rat - 620 mg/kg.
CL50 (specify species and route of entry)	LC50 - Inhalation - Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Toxicity to fish: LC50 - <i>Leuciscus idus</i> (Golden orfe) - 10 mg/L - 96h. LC50 - <i>Pimephales promelas</i> (fathead minnow) - 13 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates: Immobilization EC50 - <i>Daphnia magna</i> (Water flea) - 15.8 mg/L - 48h. Toxicity to algae: EC50 - <i>Selenastrum</i> - 100 mg/l - 72 h.
Persistence and degradability	Data not available.
Bioaccumulative potential	Data not available.
Mobility in soil	Data not available.
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

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	2076
UN Proper shipping name	CRÉSOLS LIQUIDES
Transport hazard class(es)	6.1 Toxic substances 8 Corrosive substances
Packing group	II
Limited quantity index	0,1L
ERAP Index	-
Special precautions	-

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Acute toxicity - Oral category 3 Acute toxicity - Dermal category 3 Serious eye damage/eye irritation - Serious eye damage category 1 Skin corrosion/irritation - Skin corrosion category 1B
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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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