



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

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


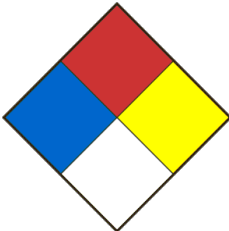
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## SAFETY DATA SHEET

### SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier RESORCINOL		Product Use Laboratory use	
Chemical formula C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>		Product code RP-0906 ; RR-0100	Molar weight 110,11
Chemical name / Commercial name / Synonymous 1,3-BENZENEDIOL, RESORCIN, M-DIHYDROXYBENZENE, RÉSORCINE			
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 11/5/2019	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

## SECTION 02 - HAZARDS IDENTIFICATION

<b>Classification WHIMS / GHS</b>	Skin corrosion/irritation - Skin irritation category 2 Serious eye damage/eye irritation - Serious eye damage category 1 Acute toxicity - Oral category 4
<b>Signal Word</b>	DANGER
<b>Hazards statements (H)</b>	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage.
<b>Precautionary statements (P)</b>	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 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. 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. P321 Specific treatment (see section 4 of the SDS and on this label). P330 Rinse mouth. P332 + P313 If skin irritation occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.
<b>PICTOGRAMS</b>	
<b>Other dangers</b>	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)
	<b>Health</b> 2 <b>Fire</b> 1 <b>Reactivity</b> 0 <b>Special danger</b>

## SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
résorcinol	108-46-3	<=100

## SECTION 04 - FIRST AID MEASURES

<b>Eye contact</b>	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.
<b>Skin contact</b>	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.
<b>Inhalation</b>	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
<b>Ingestion</b>	If the person is conscious, rinse the mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Most important symptoms and effects (acute and delayed)</b>	Ref. section 11.
<b>Immediate medical attention and special treatment, if necessary</b>	In case of medical consultation, keep this sheet available.
<b>General advice</b>	Show this safety data sheet to the doctor in attendance.

## SECTION 05 - FIREFIGHTING MEASURES

<b>Flammability</b>	No
<b>Ignition conditions</b>	Non flammable.
<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media</b>	Data not available.
<b>Hazardous combustion / decomposition products</b>	Hazardous decomposition products formed under fire conditions. Carbon oxides.
<b>Special fire and explosion hazards</b>	May react violently with incompatible products (Ref Section 10). Fine dust in the air can ignite. Dust can form an explosive mixture with air.
<b>Special protective equipment and precautions for firefighters</b>	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

<b>Methods and materials for containment and cleaning up / Personnel precautions, protective equipment</b>	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains. Discharge into the environment must be avoided.
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## SECTION 07 - HANDLING AND STORAGE

<b>Conditions for safe storage</b>	Keep container tightly closed in a dry and well-ventilated place. Air and light sensitive. Keep away from oxidizing materials. Hygroscopic.
<b>Methods of handling</b>	Avoid contact with the skin, eyes and clothes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

## SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace control parameters

Components	CAS-No.	Control	Value	Basis
RESORCIN	108-46-3	VEMP	10 ppm 45 mg/m <sup>3</sup>	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		VECD	20 ppm 90 mg/m <sup>3</sup>	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		STEL	20 ppm 90 mg/m <sup>3</sup>	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
Remark	The occupational exposure limit is based on the effects of irritation and its adjustment to compensate for unusual work schedules is not necessary			
		TWA	10 ppm 45 mg/m <sup>3</sup>	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	The occupational exposure limit is based on the effects of irritation and its adjustment to compensate for unusual work schedules is not necessary			
		TWA	10 ppm	Canada. British Columbia OEL
		STEL	20 ppm	Canada. British Columbia OEL

<b>Data source</b>	Sigma-Aldrich.
<b>Ventilation</b>	Use fan.
<b>Respiratory</b>	If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.
<b>Gloves</b>	Handle with gloves.
<b>Eyes</b>	Safety goggles with safety shutters.
<b>Shoes</b>	Safety shoes.
<b>Clothing</b>	Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Engineering control</b>	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.
Odour	Caractéristique.
Odour threshold	Data not available
pH	4.5.
Melting point / Freezing point	<= 113°C
Initial boiling point	178°C
Boiling range	Data not available
Flash point	127°C
Evaporation rate	Data not available
Flammability	No
Lower flammable / Explosive limit	1.4%
Upper flammable / Explosive limit	Data not available
Vapour pressure	1 mmHg à 21.1 °C.
Vapour density	3.8 (Air = 1.0)-
Relative density	1.278g/cm <sup>3</sup>
Solubility	Soluble dans l'eau, l'éthanol,.
Partition coefficient water/n-octanol	log Pow: 0.8 à 20 °C-
Auto-ignition temperature	608°C
Decomposition temperature	Data not available
Viscosity	Data not available

## SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions. Hygroscopic. It changes color and becomes pink in light and air. Volatilises at a temperature lower than its boiling point.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Avoid moisture. Light sensitive.
Incompatible material	Strong oxidizing agents. Iron and ferrous salts.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### RESORCINOL

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Severe irritation and burning may cause permanent eye damage.
- Skin	Irritation and dermatitis.
- Inhalation	Irritation of mucous membranes and respiratory tract. Nervous disorders, eye damage, pain in the chest, cough, dyspnea, headache, vertigo, sweating, salivation, tachycardia, methemoglobinemia, cyanosis, convulsions, respiratory collapse, coma and can lead to death.
Acute toxicity (Ingestion)	Irritation of the mucous membranes. Abdominal pain, liver lesions (jaundice, hepatomegaly), kidney and spleen (splenomegaly), cramps, diarrhea, headache, vertigo, sweating, salivation, tachycardia, methemoglobinemia, cyanosis, convulsions, respiratory collapse, coma and can lead to death.
Chronic exposure effects / symptoms	Burning sensation, dermatitis, conjunctivitis, nervous disorders, skin allergy, cough, dyspnea, laryngitis, headache, dizziness, confusion, irritability, sweating, salivation, tachycardia, methemoglobinemia, fatigue, weight loss and loss of appetite, nausea and vomiting. Group 3: unclassifiable agent for its carcinogenicity (Group 3 IARC).
DL50 (specify species and route of entry)	LD50 Oral - Rat - Male et female - 510 mg/kg. LD50 Dermal - Rabbit - Male. 2830 mg/kg.
CL50 (specify species and route of entry)	CL50 inhalation - Rat 21.3 mg/L - 4h.

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	LC50 - Pimephales promelas (fathead minnow) - Flow-through test - 29.5 mg/L - 96 h. EC50 - Daphnia magna (Water flea) - Semi-static test: 1 mg/L - 48 h. EC50 - Pseudokirchneriella subcapitata (green algae) - Static test: 97 mg/L - 72 h. CE50- activated sludge Inhibition of breathing - 73 mg/L - 3 h.
<b>Persistence and degradability</b>	Aerobic Biodegradability - Exposure Duration 14 d Result: 66.7% - Readily biodegradable. (OECD Test Guideline 301 C).
<b>Bioaccumulative potential</b>	Data not available.
<b>Mobility in soil</b>	Data not available.
<b>Other adverse effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

## SECTION 13 - DISPOSAL CONSIDERATIONS

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

## SECTION 14 - TRANSPORT INFORMATION

<b>UN Number</b>	2876
<b>UN Proper shipping name</b>	RÉSORCINOL
<b>Transport hazard class(es)</b>	6.1 Toxic substances
<b>Packing group</b>	III
<b>Limited quantity index</b>	5kg
<b>ERAP Index</b>	-
<b>Special precautions</b>	-

## SECTION 15 - REGULATORY INFORMATION

<b>WHIMS CANADA</b>	Skin corrosion/irritation - Skin irritation category 2 Serious eye damage/eye irritation - Serious eye damage category 1 Acute toxicity - Oral category 4
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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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