

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION I - MANUFACTURER INFORMATIONS

Manufacturer..... : Les Laboratoires St-Atoine  
 Address..... : 2834, Marie-Victorin  
 City and Province..... : St-Antoine-de-Tilly, P.Q.  
 Zip Code..... : G0S 2C0  
  
 Product Name..... : Tony Colmateur  
 Classification of S.I.M.D.U.T..... : B2, D2A, D2B  
 Use..... : Tank gaz Repair, Resurfacing  
 Emergency phone..... : (613) 996-6666 (Canutec)

### SECTION II - DANGEROUS INGREDIENTS

Ingredient	#Cas/UN	%	DL50	CL50
Styrene	100-42-5	0.1 - 1	5000 mg/kg (rat-oral)	2500 ppm

### SECTION III - PHYSICAL DATA

Form..... : Viscous paste  
 Appearance..... : Aluminum black colored with styrene odor  
 Threshold Odour..... : N/D  
 Density..... : 0.90 – 1.2 g/cc  
 Vapour Tension..... : 5 (mmHg) @ 20 °C (Styrene)  
 Vapour Density..... : 3.6 (Air =1) (Styrene)  
 Evaporate Rate..... : N/D  
 Ebullition Temperature..... : N/D  
 Freeze Temperature..... : N/D, become more viscous  
 pH..... : N/A  
 Water/oil repartition coefficient : N/D  
 Solubility in water..... : No

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#### SECTION IV - FIRE AND EXPLOSION DATA

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Flammability.....	: Yes
Conditions of flammability.....	: Flammable material. May be easily light at room teperature. Vapors lie down and built up at floor and lower level.
Extinguishing media.....	: Carbon dioxyde (CO <sub>2</sub> ), Chemical foam, Class B extinction agents.
Flash point and Method.....	: 32 °C (TCC)
Threshold maximal Flammability.....	: 6.1 % by volume
Threshold minimal Flammability.....	: 1.1 % by volume
Autoignition Temperature.....	: 490 °C (Styrene)
Dangerous products in decomposition.....	: Carbon oxyde, Carbon dioxyde, furan, dioxine.

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#### SECTION V - REACTIVITY DATA

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Chemical stability.....	: Stable under normal conditions. Avoid excessive heat.
Incompatibility.....	: Oxydant and strong acid and basic products.
Reactivity condition.....	: Avoid excessive heat and direct sunlight.
Dangerous polymerisation.....	: Can occur.
Dangerous products in decomposition.....	: Carbon oxyde.

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#### SECTION VI - HEALTH HAZARD INFORMATIONS

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Exposition limits.....	: 50 ppm 8 hours time weight average (TWA). 100 ppm 15 minutes short term exposure limit (STEL). It must have 60 minutes between each STEL successive exposures.
Absorbtion way.....	: Inhalation (X) Eyes (X) Skin (X) Ingest (X)
Effects of chronic exposure.....	:
Inhalation.....	: Excessive inhalation may cause mucous and superior respiratory tract irritation, headache, nausea, Central Nervous System (CNS) damages. Repetitive prolonged exposures may cause liver and kidneys damages.
Eyes.....	: Severe irritation , redness, tearing and blurred vision.
Skin.....	: Prolonged or repeated exposure can cause irritation, defatting, dermatitis and sensitization. Styrene may be absorbed in toxic concentrations through skin.
Ingestion.....	: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.
Sensitizing capability of material.....	: Prolonged or repeated exposure can cause dermatitis and sensitization.
Carcinogenic effects.....	: Despite there is indications of styrene cacinogenicity in laboratory animals, the International Agency for Research on Cancer (IARC) has concluded that there is not enough evidence of styrene cacinogenicity on humans and has listed styrene among those materials for which there is limited evidence for cacinogenicity in animals.
Reproductive effects.....	: N/D
Teratogenicity effects.....	: N/D
Mutagenicity.....	: N/D
Synergistic Materials.....	: N/D

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## SECTION VII - PREVENTIVE MEASURES

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Step to be taken in case material is released or spilled :

..-- Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with the appropriate protection equipment. Dike around spilled material. Cover spill with inert absorbent material and shovel with non-sparking tools into container. Place containers in a safe area and seal.

Elimination of residue... : Clean dispose in accordance with environmental laws.

Personal protection.

Respiratory ..... : Use appropriated and approved respiratory mask every time.

Skin..... : Use approved gloves. (PVA, Viton, PE)

Eyes..... : Use approved security glasses.

Other..... : Eye bath and safety shower. Wear adequate protective cloth.

Mechanical ventilation recommended.

Storage and handling :

Storage..... : Store in a cool and dry place. Avoid source of heat, the ideal temperature is between 15 and 25 °C.

Handling..... : Use in a cool and dry place. Avoid source of heat. Avoid prolonged and repeated inhalation of vapors. Avoid prolonged and repeated contact with skin. Wear adequate protective cloth.

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## SECTION VIII - FIRST AID TREATMENTS DATA

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Inhalation..... : Remove victim to fresh air. Apply artificial respiration or administer oxygen, if necessary. Call a physician.

Eyes..... : Wash with water 20 minutes and call a doctor or ophthalmologist immediatly.

Skin..... : Remove contaminated cloths. Wash affected skin areas with soap and water. If irritation occurs call a doctor.

Ingestion ..... : **Do not induce vomiting.** Drink lot of fresh water with activated coal suspension. Keep person warm and quiet and call a doctor or a poison control centre immediatly.

**POISON CONTROL CENTRE : 1-800-463-5060 (no charge)**

Recipe for activated coal suspension : 50 grams of activated coal in 400 ml of water. Put this suspension in plastic bottle and shake well. Drink 5 mL/kg or **350 ml** for an adult.

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