



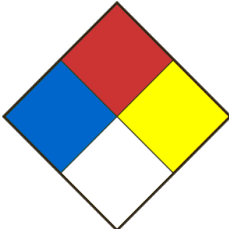
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SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier PERGUT B10 (CHLORINATED RUBBER) [MIL-R-60671]		Product Use Laboratory use	
Chemical formula -		Product code PB-0010	Molar weight
Chemical name / Commercial name / Synonymous PERGUT B10, CHLORINATED RUBBER, CAOUTCHOUC CHLORÉ			
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 7/24/2019	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Combustible dusts category 1
Signal Word	WARNING
Hazards statements (H)	May form combustible dust concentrations in air.
Precautionary statements (P)	None
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)
	Health 2 Fire 2 Reactivity 0 Special danger

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Polybutadiène chloré	103170-23-6	>=95
Toluène	108-88-3	1-5
Tétrachlorure de carbone	56-23-5	<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	If the person is conscious, give water to drink. Do NOT induce vomiting. 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	
General advice	

SECTION 05 - FIREFIGHTING MEASURES

Flammability	
Ignition conditions	Non flammable. But remains combustible. Dust can explode if mixed in the air and ignited in an enclosed space.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, or dry chemical.
Unsuitable extinguishing media	Do not use carbon dioxide.
Hazardous combustion / decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides. Hydrogen chloride gas. Carbon tetrachloride.
Special fire and explosion hazards	Dust may form explosive mixtures with air. 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. Use anti-spark tools and anti-explosion equipment. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Do not use compressed air for cleaning. Clean and rinse with water. 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). Recommended storage temperature: 10-25 ° C.
Methods of handling	Always open containers slowly to allow any excess pressure to vent. Avoid dust formation. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
Toluene	108-88-3	TWA	20 ppm	Canada. British Columbia OEL
Remarks	Adverse reproductive effect			
	TWA 50 ppm 188 mg/m ³ Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)			
	Substance may be readily absorbed through intact skin			
		TWAEV	50 ppm 188 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	Skin (percutaneous)			
		TWA	20 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Visual impairment Female reproductive Pregnancy loss 2013 Adoption Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Not classifiable as a human carcinogen			
		TWAEV	20 ppm	Canada. Ontario OELs
Components	CAS-No.	Control	Value	Basis
Chlorinated Polybutadiene	103170-23-6	TLV, TWA, STEL	No data available	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		TLV, TWA, STEL	No data available	Canada. British Columbia OEL
		TLV, TWA, STEL	No data available	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants

Data source	Sigma-Aldrich.
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.
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	Solid.
Appearance	Poudre blanche.
Odour	Presque inodore..
Odour threshold	Data not available
pH	8-9.
Melting point / Freezing point	200-250°C
Initial boiling point	Data not available
Boiling range	Data not available
Flash point	Data not available
Evaporation rate	Data not available
Flammability	No
Lower flammable / Explosive limit	1.2%V (pour le solvant).
Upper flammable / Explosive limit	7.8%V (pour le solvant).
Vapour pressure	Data not available
Vapour density	Data not available
Relative density	ca 1.5g/cm ³
Solubility	Insoluble dans l'eau.
Partition coefficient water/n-octanol	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	255°C
Viscosity	8-12 mPa.S à 23°C.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	May form combustible dust concentrations in the air. Keep away from open flames, hot surfaces and sources of ignition.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Avoid exposure of aerosol dust to sparks or open flames.
Incompatible material	Oxidizing agents. Certains métaux. Aluminum and Zinc. Iron. Pewter - tin oxides. Pewter - tin oxides.
Hazardous decomposition products	Toxic vapors of hydrogen chloride. Carbon oxides. Carbon tetrachloride.

SECTION 11 - TOXICOLOGICAL INFORMATION

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	May cause eye irritation. Severe irritation that may cause eye damage.
- Skin	Provoke a skin irritation. Contact with heated material can cause thermal burns.
- Inhalation	Irritation of the mucous membranes and respiratory tract.
Acute toxicity (Ingestion)	To our knowledge, the product has not been fully studied.
Chronic exposure effects / symptoms	Breathing vapors or dust can irritate the lungs. Repeated exposures may cause bronchitis to develop with cough, phlegm and shortness of breath.
DL50 (specify species and route of entry)	LD50 Oral - Data not available; LD50 Dermal - Data not available.
CL50 (specify species and route of entry)	LC50 - Inhalation - Data not available.

TOLUENE

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Irritation and tearing.
- Skin	Irritation and dermatitis.
- Inhalation	Irritation of the mucous membranes and respiratory tract. Narcotic effects, chest pain, cough, dyspnea, headache, vertigo, watery eyes, drowsiness, confusion, incoordination, paresthesia, nystagmus, mydriasis, nausea and vomiting, weakness, convulsions, stupor, ventricular fibrillation, cardiac arrest and death .
Acute toxicity (Ingestion)	Irritation of the mucous membranes. Narcotic effects, chest pain, cough, dyspnea, headache, vertigo, watery eyes, drowsiness, confusion, incoordination, paresthesia, nystagmus, mydriasis, nausea and vomiting, weakness, convulsions, stupor, ventricular fibrillation, cardiac arrest and death . NOTE: Aspiration of the product into the lungs may cause chemical pneumonitis, hemorrhagic pulmonary edema resulting in rapid death from cardiac arrest, respiratory paralysis and asphyxia.
Chronic exposure effects / symptoms	Burning sensation, dermatitis, narcotic effects, liver and kidney damage, chest pain, cough, dyspnea, laryngitis, headache, dizziness, drowsiness, confusion, paresthesia, nystagmus, memory and concentration problems, metallic taste in the mouth, tremor, muscle weakness, hypokalemia, weight loss and loss of appetite, nausea and vomiting. The absorption of alcohol can aggravate the symptoms of intoxication.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 5580 mg/kg. LD50 Dermal - Rabbit - 5000 mg/kg.
CL50 (specify species and route of entry)	LC50 Inhalation - Rat - 4h - 25.7 - 30 mg/L

SUMMARY

Acute exposure effects / Symptoms:	By exposure routes below.
Ingestion	To our knowledge, the product has not been fully evaluated
Inhalation	May cause irritation.
Skin	May cause irritation.
Eyes	Rabbit: Slight irritation.
Chronic exposure effects / Symptoms:	Breathing vapors or dust can irritate the lungs. Repeated exposures may cause bronchitis to develop with cough, phlegm and shortness of breath.
ETA Mix (Estimated Acute Toxicity)	LD50 Oral: > 2000 mg/kg - Rat LD50 Dermal: No data available LC50 Inhalation: No data available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Toxicity to fish: LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96.0 h. Toxicity to microorganisms: >10 000 mg/L.
Persistence and degradability	Data not available.
Bioaccumulative potential	Data not available.
Mobility in soil	Data not available.
Other adverse effects	Data not available.

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	3077
UN Proper shipping name	MATIÈRE DANGEREUSE DU POINT DE VUE DE L'ENVIRONNEMENT, SOLIDE, N.S.A.
Transport hazard class(es)	9 Miscellaneous dangerous goods/hazardous material
Packing group	III
Limited quantity index	5kg
ERAP Index	-
Special precautions	16, 99 (CHLORINATED RUBBER) (contient toluene)

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Combustible dusts 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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