



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

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


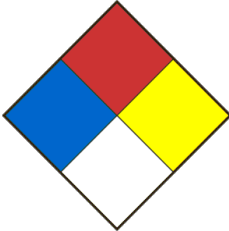
Fax. (Qc): (418) 660-8998

## SAFETY DATA SHEET

### SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier BENZOYL PEROXIDE		Product Use Laboratory use	
Chemical formula C <sub>14</sub> H <sub>10</sub> O <sub>4</sub>		Product code BP-0108 ; BP-0817	Molar weight 242,23
Chemical name / Commercial name / Synonymous Dibenzoyl peroxide, Incidol ,Benzoyl superoxide,			
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 2/18/2019	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

## SECTION 02 - HAZARDS IDENTIFICATION

<b>Classification WHIMS / GHS</b>	Serious eye damage/ Eye irritation category 2A Respiratory or skin sensitization - Skin sensitize category 1 Organic peroxide type B Organic peroxides type B
<b>Signal Word</b>	DANGER
<b>Hazards statements (H)</b>	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H241 Heating may cause a fire or explosion.
<b>Precautionary statements (P)</b>	P261 Avoid breathing dust / fume / gas / mist / vapours / spray. P264 Wash the areas of the body that have been in contact with the product after handling. 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. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. P337 + P313 If eye irritation persists: 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. P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P234 Keep only in original container. P235 Keep cool. P240 Ground/bond container and receiving equipment. P370 + P380 + P375 In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. P378 Use water spray or alcohol-resistant foam, or dry powder or carbon dioxide for extinction. P403 Store in a well-ventilated place. P410 Protect from sunlight. P411 Store at temperatures not exceeding 50 °C. P420 Store away from other materials.
<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> 0 <b>Reactivity</b> 2 <b>Special danger</b> OX

## SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Peroxyde de benzoyle	94-36-0	<=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, give water to drink. 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>	No smoking. Heat, sparks and open flame.
<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, or dry chemical.
<b>Unsuitable extinguishing media</b>	Do not use a heavy water stream.
<b>Hazardous combustion / decomposition products</b>	Hazardous decomposition products formed under fire conditions. Carbon oxides.
<b>Special fire and explosion hazards</b>	May explode from heat or contamination. Can ignite organic and combustible materials. May react violently with incompatible products (ref .Section 10)
<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 / Personnal 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.
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## SECTION 07 - HANDLING AND STORAGE

<b>Conditions for safe storage</b>	Keep container tightly closed and store away from heat, moisture, combustible and incompatible products. Store in a cool, dry place. Store in a well-ventilated area.
<b>Methods of handling</b>	Always open containers slowly to allow any excess pressure to vent. Avoid formation of dust and aerosols. Keep away from heat and sources of ignition. Avoid contact with combustible materials.

## SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace control parameters

Components	No.-CAS	Control parameters	Value	Basis
Benzoyl peroxide	94-36-0	TWA	5 mg/m <sup>3</sup>	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
Remarks: Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required				
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		TWA	5 mg/m <sup>3</sup>	Canada. British Columbia OEL
		TWAEV	5 mg/m <sup>3</sup>	Canada. Ontario OELs
		TWAEV	5 mg/m <sup>3</sup>	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWAEV	5 mg/m <sup>3</sup>	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWA	5 mg/m <sup>3</sup>	Canada. British Columbia OEL

Data source	Sigma-Aldrich.
Ventilation	Fan.
Respiratory	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	Use 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 cristalline de couleur blanche-
Odour	Faible odeur ressemblant au benzaldéhyde.
Odour threshold	Data not available
pH	Donnée non disponible.
Melting point / Freezing point	105°C (dec)
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	Data not available
Upper flammable / Explosive limit	Data not available
Vapour pressure	0.009 Pa @ 25 °C-
Vapour density	Data not available
Relative density	1.33g/cm <sup>3</sup>
Solubility	Insoluble dans l'eau froide (350 µg/L @ 20 °C and pH 6.7 - 7.2).
Partition coefficient water/n-octanol	Log Pow 3.2 @ 20 °C-
Auto-ignition temperature	80°C (176°F)-
Decomposition temperature	Data not available
Viscosity	Data not available

## SECTION 10 - STABILITY AND REACTIVITY

<b>Reactivity</b>	Non-reactive under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Heat, flames and sparks.
<b>Conditions of instability (Including sensitivity to shock / static discharge / vibration)</b>	Heat, flames and sparks. Heat above 50°C.
<b>Incompatible material</b>	Metals, Alcohols
<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions. Carbon oxides.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### BENZOYL PEROXIDE

<b>Routes of exposure</b>	Data not available.
<b>Acute exposition effects / symptoms:</b>	Harmful by inhalation, in contact with skin and if swallowed. Organs affected: eyes, skin, respiratory tract .1500 mg / m3 (BENZOYL PEROXIDE) is highly dangerous for life or health. By exposure route below.
<b>- Eyes</b>	Causes severe irritation. Can cause severe burns and loss of sight. Can cause permanent damage. The amount of damaged tissue depends on the duration of contact.
<b>- Skin</b>	Causes severe irritation. Prolonged exposure may cause burns or dermatitis. May cause sensitization by skin contact. Easily absorbed by the skin.
<b>- Inhalation</b>	Irritating material for mucous membranes and respiratory tract. May cause asthmatic effects and vasodilation.
<b>Acute toxicity (Ingestion)</b>	Toxic, Causes gastrointestinal irritation. May cause headache, nausea, vomiting, abdominal pain, depression and death.
<b>Chronic exposure effects / symptoms</b>	May cause sensitization by inhalation and skin contact. May cause testicular atrophy. May be a tumor promoter. Carcinogenic effects: Not available. Mutagenic effects: Not available. Teratogenic effects: Not available. toxicity of this material to the reproductive system: not available. To the best of our knowledge, the chemistry, physics, and toxicity of this substance is not fully known.
<b>DL50 (specify species and route of entry)</b>	LD50 Oral - Rat - > 5,000 mg/kg. LD50 Dermal - Data not available.
<b>CL50 (specify species and route of entry)</b>	LC50 Inhalation - Rat - 4h - 24.3 mg/L.

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Toxicity to fish: Semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - 0.0602 mg/l - 96 h. Toxicity to daphnia and other aquatic invertebrates: Immobilization EC50 - Daphnia magna (Water flea) - 0.11 mg/l - 48 h Toxicity to algae: Growth inhibition EC50 - Pseudokirchneriella subcapitata - 0.0711 mg/l - 72 h. Toxicity to bacteria: Respiration inhibition EC50 - activated sludge - 35 mg/l - 30 min
<b>Persistence and degradability</b>	Biodegradability aerobic. Biodegradability Result: - Not readily biodegradable.
<b>Bioaccumulative potential</b>	Data not available.
<b>Mobility in soil</b>	Is not likely mobile in soil due its low water solubility.
<b>Other adverse effects</b>	Data not available.

## 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>	3102
<b>UN Proper shipping name</b>	PEROXYDE ORGANIQUE DU TYPE B, SOLIDE (peroxyde de benzoyl >51-100%)
<b>Transport hazard class(es)</b>	5.2 Organic peroxides 1 Explosives
<b>Packing group</b>	II
<b>Limited quantity index</b>	0,1kg
<b>ERAP Index</b>	75
<b>Special precautions</b>	16, 38

## SECTION 15 - REGULATORY INFORMATION

<b>WHIMS CANADA</b>	Serious eye damage/ Eye irritation category 2A Respiratory or skin sensitization - Skin sensitize category 1 Organic peroxide type B Organic peroxides type B
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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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