



**VAN BROS**  
**TRADING CO LTD.**

***Poly (methyl methacrylate)***  
**SAFETY DATA SHEET**

(According to EU Regulation No. 1907/2006)

## Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

### > Product Identifier

Product Name	Poly(methyl methacrylate)
Synonyms	-
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration No.	Not applicable

### > Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant Identified Uses	Please consult manufacturer.
Uses Advised Against	Please consult manufacturer.

### > Details of the Supplier of the Safety Data Sheet

Supplier Name	Chongqing Double Elephant Optical Material Co., Ltd.
Supplier Address	Huabei Road, Yanjia Street, Changshou District, Chongqing, China
Supplier Post Code	401220
Supplier Telephone	+86-512-80152090
Supplier E-mail	15190273632@163.com

### > Emergency Phone Number

Emergency Phone Number	<b>CONTACT CANUTEC 24hours</b> 1-888-CAN-UTEC(226-8832) <i>or</i> (613)996-6666
------------------------	--

### > Authorized Distributor / Sales Representative

Distributed By	Van Bros Trading Co. Ltd.
Distributor Address	1005-8477 Bridgeport Rd Richmond BC V6X 0S7 Canada
Distributor Email	Info@vanbroscchemicals.com

## Section 2 Hazards Identification

**Hazard class and label elements of the product according to Regulation (EC) No 1272/2008 [CLP]:**

### > Classification of the Substance or Mixture

According to Regulation (EC) No 1272/2008 [CLP], this product is not dangerous.

## > Label Elements

**Pictogram** Not applicable

**Signal Word** **Not applicable**

## > Hazard Statements

Not applicable

## > Precautionary Statements

**Prevention** Not applicable

**Response** Not applicable

**Storage** Not applicable

**Disposal** Not applicable

## > Other hazards

Not applicable

## Section 3 Composition/Information on Ingredients

Component	CAS No.	EC No.	Index No.	Hazard classification according to CLP	Concentration (weight percent, %)
Poly(methyl methacrylate)	9011-14-7	232-674-9	-	Not Classified	99
Fatty Alcohol	112-92-5	204-017-6	-	Not Classified	1

## Section 4 First Aid Measures

### > Description of First Aid Measures

<b>General Advice</b>	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Skin Contact</b>	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Inhalation</b>	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
<b>Protecting of First-aiders</b>	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

### > Most Important Symptoms and Effects, both Acute and Delayed

- 1 Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

#### > Indication of Any Immediate Medical Attention and Special Treatment Needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

## Section 5 Fire Fighting Measures

#### > Extinguishing Media

**Suitable Extinguishing Media** Dry chemical, carbon dioxide, water spray, alcohol-resistant foam.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter or spread fire.

#### > Specific Hazards Arising from the Substance or Mixture

- 1 Containers may explode when heated.
- 2 Fire exposed containers may vent contents through pressure relief valves.
- 3 May expansion or decompose explosively when heated or involved in fire.

#### > Advice for Firefighters

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

## Section 6 Accidental Release Measure

#### > Personal Precautions, Protective Equipment and Emergency Procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

#### > Environmental Precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

#### > Methods and Materials for Containment and Cleaning Up

- 1 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 2 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- 3 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

## Section 7 Handling and Storage

#### > Precautions for Handling

##### Protective Measures

- 1 Handling is performed in a well ventilated place.
- 2 Wear suitable protective equipment.
- 3 Avoid contact with skin and eyes.

**Measures to Prevent Fire**

- 1 Take precautionary measures against static discharges.
- 2 Keep away from heat/sparks/open flames/ hot surfaces.

**Measures to Prevent Aerosol and Dust Generation**

- 1 Avoid formation of dust and aerosols.
- 2 Provide appropriate exhaust ventilation at places where dust is formed.

**Advice on General Occupational Hygiene**

- 1 Wash hands and face after using of the substances.
- 2 Replace the contaminated clothing immediately.

**> Precautions for Storage**

- 1 Keep containers tightly closed .
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/ hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

**> Specific End Use(s)**

- 1 In addition to use mentioned in the first parts, unforeseen other specific end uses.

## Section 8 Exposure Controls/Personal Protection

**> Control Parameters****Occupational Exposure Limit Values**

Component	Country/Region	Limit Value - Eight Hours		Limit Value - Short Term	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Fatty Alcohol 112-92-5	Germany (AGS)	20	224	20	224

**Biological Limit Values**

No information available

**Monitoring Methods**

- 1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- 2 GBZ/T 160 Determination of toxic substances in workplace air(Series effective standard)and GBZ/T 300 Determination of toxic substances in workplace air(Series standard).

**Derived No Effect Level (DNEL)**

Component	Route of exposure	DNEL for Workers			
		Acute Effects(local)	Acute Effects(systemic)	Chronic Effects(local)	Chronic Effects(systemic)
Poly(methyl methacrylate) 9011-14-7	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Fatty Alcohol 112-92-5	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

**Predicted No Effect Concentration (PNEC)**

Van Bros Trading Co. Ltd.

Website: <https://vanbroscchemicals.com> E-mail: [Info@vanbroscchemicals.com](mailto:Info@vanbroscchemicals.com) Mobile: +1 (778) 237-8769

Address: 8477 Bridgeport Rd #1005, Richmond BC V6X 0S7 Canada

No information available

### > Engineering Controls

- 1 Ensure adequate ventilation, especially in confined areas.
- 2 Ensure that eyewash stations and safety showers are close to the workstation location.
- 3 Use explosion-proof electrical/ventilating/lighting/equipment.
- 4 Set up emergency exit and necessary risk-elimination area.

### > Personal Protection Equipment

<b>Eye Protection</b>	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
<b>Hand Protection</b>	Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.
<b>Respiratory protection</b>	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
<b>Skin and Body Protection</b>	Wear fire/flame resistant/retardant clothing and antistatic boots.

## Section 9 Physical and Chemical Properties

<b>Appearance:</b> White translucent particles	<b>Odor:</b> No information available
<b>Odor Threshold:</b> No information available	<b>pH:</b> No information available
<b>Melting Point/Freezing Point (°C):</b> No information available	<b>Initial Boiling Point and Boiling Range (°C):</b> No information available
<b>Flash Point (°C)( Closed Cup):</b> Not applicable	<b>Evaporation Rate:</b> Not applicable
<b>Flammability:</b> Not combustible	<b>Upper/lower explosive limits[%(v/v)]:</b> Upper limit: No information available; Lower limit: No information available
<b>Vapor Pressure (KPa):</b> Not applicable	<b>Relative Vapour Density(Air = 1):</b> Not applicable
<b>Relative Density(Water=1):</b> 1.2	<b>Solubility:</b> Insoluble in water
<b>n-Octanol/Water Partition Coefficient:</b> No information available	<b>Auto-Ignition Temperature(°C):</b> No information available
<b>Decomposition Temperature (°C):</b> No information available	<b>Kinematic Viscosity (mm<sup>2</sup>/s):</b> Not applicable

## Section 10 Stability and Reactivity

<b>Reactivity</b>	Contact with incompatible substances can cause decomposition or other chemical reactions.
<b>Chemical Stability</b>	Stable under proper operation and storage conditions.
<b>Possibility of Hazardous Reactions</b>	No information available
<b>Conditions to Avoid</b>	Incompatible materials, heat, flame and spark.
<b>Incompatible Materials</b>	No information available
<b>Hazardous Decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11 Toxicological Information

**> Acute Toxicity**

Component	CAS No.	LD <sub>50</sub> (Oral)	LD <sub>50</sub> (Dermal)	LC <sub>50</sub> (Inhalation, 4h)
Fatty Alcohol	112-92-5	20000mg/kg(Rat)	No information available	No information available

**> Skin Corrosion/Irritation**

No information available

**> Serious Eye Damage/Irritation**

No information available

**> Skin Sensitization**

No information available

**> Respiratory Sensitization**

No information available

**> Germ Cell Mutagenicity**

No information available

**> Carcinogenicity**

ID	CAS No.	Component	IARC	NTP
1	9011-14-7	Poly(methyl methacrylate)	Category 3	Not Listed
2	112-92-5	Fatty Alcohol	Not Listed	Not Listed

**> Reproductive Toxicity**

No information available

**> Reproductive Toxicity (Additional)**

No information available

**> STOT-Single Exposure**

No information available

**> STOT-Repeated Exposure**

No information available

**> Aspiration Hazard**

No information available

**Section 12 Ecological Information****> Acute Aquatic Toxicity**

No information available

**> Chronic Aquatic Toxicity**

No information available

**> Others****Persistence and Degradability** No information available**Bioaccumulative Potential** No information available**Mobility in Soil** No information available

**Results of PBT and vPvB Assessment**

Poly(methyl methacrylate) does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

Fatty Alcohol does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

## Section 13 Disposal Considerations

**Waste Chemicals** Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.

**Contaminated Packaging Disposal Recommendations** Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible. Refer to Waste chemicals and Contaminated packaging.

## Section 14 Transport Information

**Transporting Label** Not applicable

**UN Number** -

**UN Proper Shipping Name** NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

**Transport Hazard Class** None

**Transport Subsidiary Hazard Class** None

**Packing Group** -

## Section 15 Regulatory Information

**> International Chemical Inventory**

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Poly(methyl methacrylate)	×	✓	✓	✓	✓	✓	✓	✓	✓
Fatty Alcohol	✓	✓	✓	✓	✓	✓	✓	✓	✓

**[EINECS]** European Inventory of Existing Commercial Chemical Substances.

**[TSCA]** United States Toxic Substances Control Act Inventory.

**[DSL]** Canadian Domestic Substances List.

**[IECSC]** China Inventory of Existing Chemical Substances.

**[NZIoC]** New Zealand Inventory of Chemicals.

**[PICCS]** Philippines Inventory of Chemicals and Chemical Substances.

**[KECI]** Existing and Evaluated Chemical Substances.

**[AICS]** Australia Inventory of Chemical Substances.

**[ENCS]** Existing And New Chemical Substances.

**> European Chemical Inventory**

Component	A	B	C	D	E	F	G
Poly(methyl methacrylate)	x	x	x	✓	x	x	x
Fatty Alcohol	x	x	x	✓	✓	x	x

【A】 Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

【B】 Substances requiring authorisation under EU REACH regulation

【C】 Substances restricted under EU REACH

【D】 Pre-registered substances under EU REACH

【E】 Registered substances under EU REACH

【F】 Substance Evaluation – CoRAP under EU REACH

【G】 List of priority substances under EU water policy (Directive 2455/2001/EC)

**Note**

"✓" Indicates that the substance included in the regulations

"x" That no data or included in the regulations

## Section 16 Additional Information

**Creation Date** 2024/05/26

**Revision Date** 2024/05/26

**Reason for Revision** -

**> Disclaimer**

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.