



Safety Data Sheet

Version 7.0
Revision Date: 28/10/2019

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **Neopentyl methacrylate**
Product number: NPMA
Product use: For laboratory research purposes.
Supplier / Manufacturer: Polymer Source, Inc.
Address: 124 Avro street, Dorval (Montreal), Quebec H9P 2X8, Canada
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2. HAZARDS IDENTIFICATION

Emergency overview: WHMIS classification: B2. Flammable liquid.
D2B. Toxic material causing other toxic effects:
Moderate skin irritant. Moderate eye irritant.
Skin sensitizer.

GHS classification: Flammable liquid (Category 3)
Skin sensitization (Category 1)

GHS Label elements, including precautionary statements:

Pictogram:



Signal word: Warning

Hazard statements: H226. Flammable liquid and vapour.
H317. May cause an allergic skin reaction.

Precautionary statements: P210. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233. Keep container tightly closed.
P240. Ground and bond container and receiving equipment.
P241. Use explosion-proof (electrical / ventilating / lighting / etc.) equipment.
P242. Use non-sparking tools.
P243. Take action to prevent static discharges.
P280. Wear protective gloves / protective clothing / eye protection / face protection.
P261. Avoid breathing dust / fume / gas / mist / vapours / spray.

P272. Contaminated work clothing should not be allowed out of the workplace.

P302 + P303 + P361 + P352 + P353. *If on skin:*

Take off immediately all contaminated clothing. Wash with plenty of water.

P333 + P313. *If skin irritation or rash occurs:*

Get medical advice/attention.

P362 + P364. Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338. *If in eyes:* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult physician.

HMIS classification: Health hazard: 2
 Flammability: 2
 Physical hazards: 0

Potential health effects: Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
 Skin: May be harmful if absorbed through skin. Causes skin irritation.
 Eyes: Causes eye irritation.
 Ingestion: May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $C_9H_{16}O_2$
Synonyms: Neopentyl methacrylate; 2,2-dimethylpropyl 2-methylprop-2-enoate; 2-propenoic acid,2-methyl-, 2,2-dimethylpropyl ester; methacrylic acid neopentyl ester.
Molecular weight: 156 g/mol
Concentration: $\geq 99\%$
CAS registry number: 2397-76-4

4. FIRST AID MEASURES

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.
 Move out of dangerous area.
If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
 Consult a physician.
In case of skin contact: Wash off with soap and plenty of water. Consult a physician.
In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.
 Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for firefighters: Wear self contained breathing apparatus for firefighting if necessary.

Hazardous combustion products:	Hazardous decomposition products formed under fire conditions: Carbon oxides.	
Explosion data:	Sensitivity to mechanical impact:	no data available
	Sensitivity to static discharge:	no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.	
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.	
Methods and materials for containment and cleaning up:	Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.	

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure – obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed.	
Conditions for safe storage:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment:		
• Respiratory protection:	Wear dust mask when handling large quantities. Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).	
• Eye protection:	Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).	
• Skin, hand and body protection:	Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.	

- Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Specific engineering controls: Use mechanical exhaust or laboratory fumehood to avoid exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form:	no data available
	Colour:	no data available
Safety data:	pH:	no data available
	Melting point / Freezing point:	no data available
	Boling point:	(lit.): 179.8 °C at 760 mmHg
	Flash point:	(lit.): 53.9 °C
	Ignition temperature:	no data available
	Auto-ignition temperature:	no data available
	Lower explosion limit:	no data available
	Upper explosion limit:	no data available
	Vapour pressure:	(lit.): 0.923 mmHg at 25 °C
	Density:	(lit.): 0.89 g/cm ³
	Water solubility:	no data available
	Partition coefficient: n-octanol/water:	no data available
	Relative vapour density:	no data available
	Odour:	no data available
	Odour threshold:	no data available
	Evaporation rate:	no data available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	no data available
Conditions to avoid:	Heat, flames and sparks.
Materials to avoid:	no data available
Hazardous decomposition products:	Hazardous decomposition products formed under fire conditions: Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Oral LD50:	no data available
	Inhalation LC50:	no data available
	Dermal LD50:	no data available
	Other information on acute toxicity:	no data available

Skin corrosion/irritation:	no data available
Serious eye damage/eye irritation.	no data available
Respiratory or skin sensitization:	no data available
Germ cell mutagenicity:	no data available
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
Reproductive toxicity:	no data available
Teratogenicity:	no data available
Specific target organ toxicity:	Single exposure (GHS): no data available Repeated exposure (GHS): no data available
Aspiration hazard:	no data available
Potential health effects:	Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Ingestion: May be harmful if swallowed. Skin: May be harmful if absorbed through skin. Causes skin irritation. Eyes: Causes eye irritation.
Signs and symptoms of exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Synergistic effects:	no data available
Additional information:	RTECS: not available

12. ECOLOGICAL INFORMATION

Toxicity:	no data available
Persistence and degradability:	no data available
Bioaccumulative potential:	no data available
Mobility in soil:	no data available
PBT and vPvB assessment:	no data available
Other adverse effects:	no data available

13. DISPOSAL CONSIDERATIONS

Product:	Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging:	Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US): no data available
IMDG: no data available
IATA: no data available

15. REGULATORY INFORMATION

WHMIS classification: B2. Flammable liquid.
D2B. Toxics material causing other toxic effects:
Moderate skin irritant. Moderate respiratory irritant. Moderate eye irritant.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

Date of the latest revision: 28 October 2019

Further information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. 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. It does not represent any guarantee of the properties of the product. Polymer Source, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See www.polymersource.ca for additional terms and conditions of sale.