

**1. Product****Product Name:****Primer****2. Hazards Identification****2.1. Classification of the substance or mixture****Classification under CLP:**

Acute Tox 4, H302; Acute Tox 3, H311; Acute Tox 3, H331; Skin Corr 1A, H314; Eye Dam. 1, H318; Skin Sens 1, H317; STOT SE 3, H335; Aquatic Acute 1, H400

This product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity:

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 9.5%

Ingredients of unknown ecotoxicity:

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9.5%

See section 16 for the full text of the R phrases or H statements declared above. See section 11 for more detailed information on health effects and symptoms.

2.2 Label elements**Hazard Pictograms:****Hazard statements:**

Toxic in contact with skin or if inhaled
Harmful if swallowed
Causes severe skin burns and eye damage
May cause an allergic skin reaction
May cause respiratory irritation
Very toxic to aquatic life

Precautionary statements:**General:**

Not applicable.

Prevention:

Wear protective gloves. Wear eye or face protection. Wear protective



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Response:

clothing. Avoid release to the environment.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. . Immediately call a POISON CENTER or physician. IF IN EYES: . Immediately call a POISON CENTER or physician

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with all local, regional, national and international regulations.

3. Composition / Information on Ingredients

3.2 Mixtures

Hazardous Ingredients:

Methacrylic acid

EINECS	CAS	CLP Classification	Percent
201-204-4	79-41-4	Acute Tox 4, H302; Acute Tox 3, H311; Acute Tox 3, H331; Skin Corr 1A, H314; Eye Dam. 1, H318; Skin Sens 1, H317; STOT SE 3, H335; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	75-100%

Isobutyl methacrylate

EINECS	CAS	CLP Classification	Percent
202-613-0	97-86-9	Flam. Liq. 3, H226; Eye Irrit. 2, H319; Skin Irrit. 2, H315; Skin Sens. 1, H317 ; STOT SE 3, H335 ; Aquatic Acute 1, H400	1-5%

4. First Aid Measures

4.1. Description of first aid measures

Skin contact:

Immediately flush skin with plenty of water. Remove contaminated clothing. Obtain medical attention if irritation develops or persists. Wash clothing before reuse.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.



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Ingestion:	If swallowed, do NOT induced vomiting. Have victim drink 8-10 ounces of water to dilute material in stomach. Get medical attention IMMEDIATELY. Never give anything by mouth to an unconscious person.
Eye Contact:	In case of contact, Immediately wash the eyes with plenty of water for at least 15 min. holding the eye open. Obtain medical attention urgently.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact:	Corrosive. May cause burns resulting in permanent damage. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material. This material is toxic. Harmful if absorbed through the skin.
Eye contact:	Corrosive. May cause burns resulting in permanent damage.
Ingestion:	Corrosive and may cause severe and permanent damage to mouth, throat and stomach.
Inhalation:	Corrosive and may cause burns resulting in permanent damage.

5. Fire Fighting Measures

5.1. Extinguishing media

Extinguishing media:	Use water spray or fog, foam, dry chemical or Carbon dioxide.
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5.2. Special hazards arising from the substance or mixture

Exposure hazards:	Highly flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
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5.3. Advice for fire-fighters

Advice for fire-fighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire fighters:	Fire-fighters should wear appropriate protective equipment and selfcontained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**6. Accidental Release Measures****6.1. Step to be taken in case material is released or spilled**

Remove all sources of ignition and ventilate area. Wear appropriate safety equipment as listed in Section 8. Absorb on inert material, then place in a chemical waste container. After removal, flush contaminated area with water and collect for disposal. Clean up spills immediately. Obey relevant local, state, and federal law regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil. Dispose and report per regulatory requirements if necessary. Please prevent washings from entering waterways.

7. Handling and Storage**7.1. Precautions for safe handling**

Handling requirements: Keep away from heat. Keep away from sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Store in well-ventilated area. Use explosion-proof equipment. Wash thoroughly after handling. Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash thoroughly after handling.

Other Precautions: Avoid ignition sources or excessive temperatures. Heat can induce polymerization with rapid release of energy. Closed containers may rupture explosively. Spontaneous polymerization may occur with prolonged aging.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store between the following temperatures: 13 to 27C. Store in accordance with local regulations. Store in a segregated and approved area. Store in cool, well ventilated, dry area. Keep container tightly closed. Maintain air space inside storage containers.

8. Exposure Controls / Personal Protection**8.1. Control parameters**

Workplace exposure limits: Not applicable.

8.2. Exposure controls

Engineering measures: Use process enclosures, local exhaust ventilation or other engineering controls to control airborne exposure. Use explosion-proof ventilation equipment.



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Respiratory protection:

Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and handling unless air monitoring demonstrates vapour/mist levels below applicable limits. Follow respirator manufacturer's recommendations for selection and use.

Ventilation:

Sufficient ventilation must be provided to maintain airborne concentrations below TLV, PEL and LEL limits as listed in Section 8.

Hand protection:

Chemical resistant protective gloves should be worn when handling this product. Check with glove manufacturer to determine proper glove type.

Eye protection:

Splash-proof chemical goggles should be worn

Skin protection:

Impervious clothing and boots should be worn. Eye bath and safety shower should be provided.

Hygienic practices:

Good personal hygiene practices are required at all times when handling chemicals. These practices include, but are not limited to, washing when safety equipment is removed, at the end of each shift or when going on breaks and especially if contamination occurs.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form:	Liquid
Colour:	Colourless
Odour:	Pungent
Boiling Point:	Not available
Octanol/Water Partitioning Coefficient:	n.a.
Viscosity:	Dynamic (room temperature) : 1.4 mPa-s
Vapour Pressure :	0.13 kPa
Relative Density :	1.03
Flash Point:	Closed cup: 65C
pH:	2 tot 2.2
Melting point/rance C:	15.8C

10. Stability and Reactivity

10.1. Reactivity



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Reactivity:

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability:

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions:

Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid:

Sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

10.5. Incompatible materials

Materials to avoid:

Highly reactive or incompatible with the following materials: oxidizing materials.

10.6. Hazardous decomposition products

Haz. decomp. Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

11.1. Information on toxicological effects

Acute Toxicity:	LD50	LC50
Oral	2200 mg/kg	
Dermal		7100 mg/m3
Inhalation		7100 mg/m3

12. Ecological Information

Any reject of this product in the sewer or stream must be avoided.

13. Disposal Considerations

Incinerate in a furnace where permitted under national and local regulations.

14. Transport Information

**Road Transport:**

UN proper shipping name : Corrosive liquid, n.o.s. (methacrylic acid, isobutyl methacrylate)
Class : 8
Pack Group : II
UN Number : 1760
Tunnel code : E

Maritime Transport:

Technical name: : Corrosive liquid, n.o.s. (methacrylic acid, isobutyl methacrylate)
UN Number : 1760
Class : 8
Pack Group : II
Ems Number : F-E, S-E
Flash Point : 65°C

IATA:

Technical name: : Corrosive liquid, n.o.s. (methacrylic acid, isobutyl methacrylate)
UN Number : 1760
Class : 8
Pack Group : II

15. Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Regulation (EC) NO. 1907/2006 (REACH):**

Annex XVII: Not applicable

Other EU Regulations:

Europe Inventory: All components are listed or exempted.