



# MATERIAL SAFETY DATA SHEET

## MIGHTY REMOVER

### SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

**Material/Trade Name:** **Mighty Remover**  
*(This MSDS covers products of the following sizes: 7.5mL)*  
**Material Type:** Cyanoacrylate Remover  
**Company:** Republic Chemical Industries, Inc.  
**Address:** 127 Progress Avenue, Carmelray Industrial Park 1, Canlubang, Calamba, Laguna 4037  
**Telephone:** +63 2 488 9999  
**Fax:** +63 49 549 3165  
**Website:** [www.repchem.com](http://www.repchem.com)

### SECTION 2: HAZARDS IDENTIFICATION

#### Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:



Warning

H statements:

H319 Causes serious eye irritation.

P statements:

P264 Wash hands thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
**Other hazards.** In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

### SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Identity	% Concentrate	CAS No.
Propylene Carbonate	20-100	108-38-7

### SECTION 4: FIRST AID MEASURES

#### Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.



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**Eye contact.**

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

**Skin contact.**

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

**Ingestion.**

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

**Most important symptoms and effects, both acute and delayed.** Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate. Can cause allergic reactions.

**Indication of any immediate medical attention and special treatment needed.** In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

### SECTION 5: FIRE FIGHTING MEASURES

The product is NOT classified as flammable, in case of fire the following measures should be taken:

**Extinguishing media.****Recommended extinguishing methods.**

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

**Special hazards arising from the mixture.****Special risks.**

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

**Advice for firefighters.** Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

**Fire protection equipment.**

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures.** For exposure control and individual protection measures, see section 8.

**Environmental precautions.**

Prevent the contamination of drains, surface or subterranean waters, and the ground.

**Methods and material for containment and cleaning up.**

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.



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**Reference to other sections.** For exposure control and individual protection measures, see section 8. For later elimination of waste, follow the recommendations under section 13.

### SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling.

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers. In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Keep the product in containers made of a material identical to the original.

#### Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidizing agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

#### Specific end use(s).

Cleaner.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values.

#### Exposure controls.

##### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

##### Breathing protection:

If the recommended technical measures are observed, no individual protection equipment is necessary.

##### Hand protection:

PPE: Protective gloves against chemicals.

Characteristics: «CE» marking, category III.

CEN standards: EN 374-1, En 374-2, EN 374-3, EN 420

Maintenance: Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.

Observations: Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight.

Always use with clean, dry hands.

Protective creams can help to protect exposed areas of the skin. These creams must **NEVER** be applied once exposure has occurred.

**Eye protection:** PPE: Face shield. Characteristics: «CE» marking, category II. Face and eye protector against splashing liquid. CEN standards: EN 165, EN 166, EN 167, EN 168

Maintenance: Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. Make sure that mobile parts move smoothly.

Observations: Face shields should offer a field of vision with a dimension in the central line of, at least, 150 mm vertically once attached to the frame.

#### Skin protection:

PPE: Anti-static protective clothing.

Characteristics: «CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.

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CEN standards: EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5

**Maintenance:** In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.

**Observations:** The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.

**PPE:** Anti-static safety footwear.

**Characteristics:** «CE» marking, category II.

**CEN standards:** EN ISO 13287, EN ISO 20344, EN ISO 20346

**Maintenance:** The footwear should be checked regularly

**Observations:** The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Thixotropic	<b>Oxidizing Properties:</b>	Not available
<b>Color:</b>	Not available	<b>Vapor Pressure:</b>	Not available
<b>Odor:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Relative Density:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Solubility in Water:</b>	Not available
<b>Melting Point:</b>	Not available	<b>Partition Coefficient:</b>	Not available
<b>Flash Point:</b>	55°C	<b>Auto-ignition Temperature:</b>	Not available
<b>Evaporation Rate:</b>	Not available	<b>Decomposition Temperature:</b>	Not available
<b>Flammability:</b>	Not available	<b>Viscosity:</b>	Not available
<b>Explosion Limits:</b>	Not available		

### SECTION 10: STABILITY AND REACTIVITY

#### Reactivity

The product does not present hazards by their reactivity.

#### Chemical stability

Stable under the recommended handling and storage conditions (see section 7).

#### Possibility of hazardous reactions

The product does not present possibility of hazardous reactions.

#### Conditions to avoid

Avoid temperatures near or above the flash point. Do not heat closed containers.

#### Incompatible materials

Keep away from oxidizing agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

#### Hazardous decomposition products

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

**IRRITANT PREPARATION.** Splatters in the eyes can cause irritation.

**Information on toxicological effects.** There are no tested data available on the product. Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic



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contact dermatitis and absorption of the product through the skin. Splatters in the eyes can cause irritation and reversible damage. . No information is available regarding the toxicity of the substances present.

### SECTION 12: ECOLOGICAL INFORMATION

**Toxicity** No information is available regarding the ecotoxicity of the substances present.  
**Persistence and degradability** No information is available about persistence and degradability of the product.

**Bioaccumulative potential.**  
**Information about the bioaccumulation of the substances present.**

NAME	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
Propylene carbonate N.Cas: 1087-38-7      N.CE: 203-572-1	-0,41			Very low

#### Mobility in soil

No information is available about the mobility in soil. The product must not be allowed to go into sewers or waterways. Prevent penetration into the ground.

#### Results of PBT and vPvB assessment

No information is available about the results of PBT and vPvB assessment of the product.

#### Other adverse effects

No information is available about other adverse effects for the environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods.** Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation. Follow the provisions of Directive 2008/98/EC regarding waste management.

### SECTION 14: TRANSPORTATION INFORMATION

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

### SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the mixture.** The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer. See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances and the Regulation (EC) No 689/2008 of the European parliament and of the council of 17 June 2008 concerning the export and import of dangerous chemicals and its subsequent updates.

**Chemical safety assessment.** There has been no evaluation a chemical safety assessment of the product.

### SECTION 16: OTHER INFORMATION

*The information contained in this MSDS is based on our present knowledge. It was obtained from a variety of sources and is believed to be accurate and current at the stated version date. This data is provided without warranty for the use of this information, application or processing described in this MSDS. Users should note the possibility of hazards occurring due to improper use of the product.*

**Department issuing MSDS:**      *Research and Development Department*  
**Contact:**                              *Marketing Department*