

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : GluGone® Remover

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Adhesive remover

#### 1.3. Details of the supplier of the safety data sheet

Company:

Chemence Medical, Inc.  
200 Technology drive,  
Alpharetta, GA 30005 - United States  
T 770-664-6624; - F 770-664-6620  
[CS@Chemence-US.com](mailto:CS@Chemence-US.com) - <http://www.Chemence-US.com>

#### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300; CHEMTREC® International Emergency number: 703-527-3887

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 2 H225  
Asp. Tox. 1 H304  
Eye Irrit. 2A H319  
STOT SE 3 H336

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS02

GHS07

GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways.  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness

Precautionary statements (GHS-US) :

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P233 - Keep container tightly closed  
P241 - Use explosion-proof electrical/ventilating/lighting/ equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
P271 - Use only in a well-ventilated area  
P280 - Wear protective gloves/protective clothing/eye protection/face protection

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Full text of H-phrases: see section 16

#### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Isopropanol	(CAS No) 67-63-0	30 - 35	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

# GluGone® Remover

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%	GHS-US classification
dipropylene glycol monomethyl ether	(CAS No) 34590-94-8	30 - 35	Flam. Liq. 4, H227
hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics	(CAS No) 64742-48-9	30 - 35	Flam. Liq. 3, H226 Asp. Tox. 1, H304

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : May cause genetic defects. May cause cancer. Causes damage to organs.
- Symptoms/injuries after inhalation : May cause drowsiness or dizziness.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : May cause slight irritation.
- Symptoms/injuries after ingestion : Risk of aspiration pneumonia. May be fatal if swallowed and enters airways.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Alcohol resistant foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapour.
- Explosion hazard : May form flammable/explosive vapour-air mixture.
- Reactivity : No reactivity hazard other than the effects described in sub-sections below.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Protective clothing. Protective goggles. Safety glasses. Gloves.
- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No naked lights. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical/ventilating/lighting/ equipment.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from ignition sources. Keep in fireproof place. Keep container tightly closed. Recommended storage temperatures: 5°C – 30°C
Incompatible products	: Strong bases. Strong acids. Oxidizing agent.
Incompatible products	: Sources of ignition. Direct sunlight. Heat sources.

### SECTION 8: Exposure controls/personal protection

Personal protective equipment	: Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing. Wear chemically resistant protective gloves.
Respiratory protection	: Wear appropriate mask. Wear respiratory protection.
Other information	: Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Light yellow color liquid.
Colour	: Light yellow.
Odour	: A slight paraffinic and alcohol odour.
Vapor density (air =1)	: No data available
Specific gravity	: 0.813
Boiling point	: 82.0°C
Flash point	: No data available
Evaporation rate	: No data available
Solubility	: No data available

#### 9.2. Other information

VOC content	: ~100 %
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No reactivity hazard other than the effects described in sub-sections below.

#### 10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

#### 10.3. Possibility of hazardous reactions

Will not occur.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent. Keep away from metals. Acetaldehyde, Phosgene, Ethylene oxide, Isocyanates.

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### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Isopropanol (67-63-0)</b>	
LD50 oral rat	5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg bodyweight; Rat)
LD50 dermal rabbit	12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	16000 ppm (8 hr)
<b>dipropylene glycol monomethyl ether (34590-94-8)</b>	
LD50 oral rat	5135 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg; Rat; Experimental value)
LD50 dermal rat	9500 mg/kg (Rat; Literature study; Equivalent or similar to OECD 402; >19020 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	9500 mg/kg (Rabbit; Literature study)
ATE US (oral)	5135.000 mg/kg bodyweight
ATE US (dermal)	9500.000 mg/kg bodyweight
<b>Isopropanol (67-63-0)</b>	
IARC group	3 - Not classifiable

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Isopropanol (67-63-0)</b>	
LC50 fishes 1	4200 mg/l (96 h; Rasbora heteromorpha; Flow-through system)
EC50 Daphnia 1	> 10000 mg/l (48 h; Daphnia magna)
LC50 fish 2	9640 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 2	13299 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	> 1000 mg/l (72 h; Scenedesmus subspicatus; Growth rate)
Threshold limit algae 2	1800 mg/l (72 h; Algae; Cell numbers)
<b>dipropylene glycol monomethyl ether (34590-94-8)</b>	
EC50 Daphnia 1	1919 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	969 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum; Static system; Fresh water; Experimental value)
Threshold limit algae 2	> 969 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum; Static system; Fresh water; Experimental value)
<b>hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics (64742-48-9)</b>	
LC50 fish 2	> 100 mg/l (LC50)
EC50 Daphnia 2	> 100 mg/l (EC50)
Threshold limit algae 2	> 100 mg/l (EC50)

### 12.2. Persistence and degradability

<b>Isopropanol (67-63-0)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	1.19 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.23 g O <sub>2</sub> /g substance
ThOD	2.40 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.49 % ThOD
<b>dipropylene glycol monomethyl ether (34590-94-8)</b>	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available. Photolysis in the air.
Biochemical oxygen demand (BOD)	0 g O <sub>2</sub> /g substance
ThOD	2.06 g O <sub>2</sub> /g substance

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<b>dipropylene glycol monomethyl ether (34590-94-8)</b>	
BOD (% of ThOD)	0

<b>hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics (64742-48-9)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradability in soil: no data available. Adsorbs into the soil. Low potential for mobility in soil. Photooxidation in the air.

### 12.3. Bioaccumulative potential

<b>Isopropanol (67-63-0)</b>	
Log Pow	0.05 (Experimental value)

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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<b>dipropylene glycol monomethyl ether (34590-94-8)</b>	
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Log Pow	0.0043 (Experimental value; OECD 102: Melting Point/Melting Range; 25 °C)
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Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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<b>hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics (64742-48-9)</b>	
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Bioaccumulative potential	Bioaccumable.
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### 12.4. Mobility in soil

<b>Isopropanol</b>	
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Surface tension	0.021 N/m (25 °C)
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<b>hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics (64742-48-9)</b>	
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Surface tension	0.026 N/m (20 °C)
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### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Handle empty containers with care because residual vapours are flammable.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT  
Transport document description : UN1219 ISOPROPANOL (ISOPROPYL ALCOHOL) (ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, II  
UN-No.(DOT) : UN1219  
DOT NA no. : UN1219  
Proper Shipping Name (DOT) : ISOPROPANOL (ISOPROPYL ALCOHOL)  
ISOPROPANOL (ISOPROPYL ALCOHOL)  
Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (DOT) : 3 - Flammable liquids



Packing group (DOT) : II - Medium Danger

### Additional information

Marine Pollutant : No

### ADR

Transport document description : UN 1219 Isopropanol (isopropyl alcohol), 3, II, (D/E)  
Class (ADR) : 3 - Flammable liquids  
Classification code (ADR) : F1

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Danger labels (ADR) : 3 - Flammable liquids



Tunnel restriction code : D/E

### Transport by sea

UN-No. (IMDG) : 1219

Class (IMDG) : 3 - Flammable liquids

Air transport : UN1219

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Isopropanol

Listed on the United States TSCA (Toxic Substances Control Act) inventory, Listed on United States SARA Section 313

#### dipropylene glycol monomethyl ether (34590-94-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics (64742-48-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### GluGone® Remover

WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225  
Asp. Tox. 1 H304  
Eye Irrit. 2A H319  
STOT SE 3 H336

### 15.3. US State regulations

#### dipropylene glycol monomethyl ether (34590-94-8)

U.S. - New Jersey - Right to Know Hazardous Substance List

#### Isopropanol

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

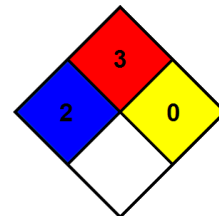
Full text of H-phrases:

H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H304	May be fatal if swallowed and enters airways.

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



SDS US (GHS HazCom 2012)

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