

# Paint and Varnish Remover

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Paint and Varnish Remover
<b>Other Means of Identification</b>	13-431HEI, 13-433HEI, 13-434HEI, 33-431ZIPEXP, 33-433ZIPEXP, 33-434ZIPEXP
<b>Recommended Use</b>	Please refer to Product label.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer/Supplier Identifier</b>	Recochem Inc., 850 Montee de Liesse, Montreal, QC, H4T 1P4, Compliance and Regulatory Department, 905-878-5544, www.recochem.com
<b>Emergency Phone No.</b>	CANUTEC, 613-996-6666, 24 Hours
<b>SDS No.</b>	17840061

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Flammable liquid - Category 3; Skin irritation - Category 3; Serious eye damage - Category 1; Reproductive toxicity - Category 1B; Specific target organ toxicity (single exposure) - Category 3

### Label Elements



Signal Word:  
Danger

### Hazard Statement(s):

Flammable liquid and vapour.  
Causes mild skin irritation.  
Causes serious eye damage.  
May cause drowsiness or dizziness.  
May damage the unborn child following skin contact and/or if swallowed.

### Precautionary Statement(s):

Prevention:  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep container tightly closed.  
Ground and bond container and receiving equipment.  
Use explosion-proof electrical, ventilating, and lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing fume, mist, vapours, spray.

Product Identifier: Paint and Varnish Remover - Ver. 1  
Date of Preparation: September 10, 2018  
Date of Last Revision:

SDS No.: 178400

Page 01 of 09

Use only outdoors or in a well-ventilated area.  
Wear protective gloves, eye protection.

**Response:**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
Call a POISON CENTRE or doctor if you feel unwell.  
If skin irritation occurs: Get medical advice or attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTRE or doctor if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Immediately call a POISON CENTRE or doctor.  
In case of fire: Use appropriate foam, carbon dioxide, dry chemical powder, water spray or fog to extinguish.

**Storage:**

Store in a well ventilated place. Keep cool. Keep container tightly closed. Store locked up.

**Disposal:**

Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

**Other Hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Diethylene glycol monomethyl ether	111-77-3	15-40		
Ethylene glycol	107-21-1	1-5		
2-Propanol	67-63-0	1-5		
Diisopropanolamine	110-97-4	1-5		

**Notes**

Use of Generic SDS:

If the concentration or actual concentration range of an ingredient of a particular hazardous product in the series is different from the concentration or actual concentration range disclosed for the rest of the series, either the concentration or the actual concentration range must be indicated beside that ingredient under item 3 (Composition/Information on ingredients) of the SDS. Furthermore, if any other specific information element(s) (such as flash point, numerical measure of toxicity, etc.) for a particular hazardous product in the series differs from that of the other products in the series (without affecting the classification), the information element relevant to that hazardous product must be disclosed on the SDS with an indication to which hazardous product each relates.

Source: Health Canada - Technical Guidance on the Requirements of the Hazardous Products Act and the Hazardous Products Regulations WHMIS 2015 Supplier Requirements - pg 117

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures**

**Inhalation**

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment).  
Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor.

Product Identifier: Paint and Varnish Remover - Ver. 1  
Date of Preparation: September 10, 2018  
Date of Last Revision:

SDS No.: 178400

Page 02 of 09

### **Skin Contact**

Avoid direct contact. Wear chemical protective clothing if necessary. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Call a Poison Centre or doctor if you feel unwell. If skin irritation occurs, get medical advice or attention. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

### **Eye Contact**

Avoid direct contact. Wear chemical protective gloves if necessary. Quickly and gently blot or brush chemical off the face. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately call a Poison Centre or doctor. If eye irritation persists, get medical advice or attention.

### **Ingestion**

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Avoid mouth-to-mouth contact by using a barrier device. Call a Poison Centre or doctor if you feel unwell.

### **First-aid Comments**

Get medical advice or attention if you feel unwell or are concerned.

### **Most Important Symptoms and Effects, Acute and Delayed**

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### **Immediate Medical Attention and Special Treatment**

#### **Target Organs**

Eyes, nervous system.

#### **Special Instructions**

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

#### **Medical Conditions Aggravated by Exposure**

None known.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Product**

Flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air. Can be ignited by static discharge. Can accumulate static charge by flow, splashing or agitation. May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, resulting in a fire and/or health hazard. Closed containers may rupture violently when heated releasing contents.

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; toxic, flammable aldehydes.

### **Special Protective Equipment and Precautions for Fire-fighters**

Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

Product Identifier: Paint and Varnish Remover - Ver. 1

SDS No.: 178400

Date of Preparation: September 10, 2018

Date of Last Revision:

Page 03 of 09

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Evacuate downwind locations. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

### Conditions for Safe Storage

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Ethylene glycol	10 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>	Not established	50 ppm		
2-Propanol	200 ppm	400 ppm	400 ppm	500 ppm		
Diisopropanolamine	Not established	Not established	Not established	Not established		

### Appropriate Engineering Controls

General ventilation is usually adequate. For large scale use of this product: do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Control static electricity discharges which includes bonding of equipment to ground. Use only non-combustible, compatible materials for walls, floors, ventilation system, air cleaning devices, pallets, shelving. Provide eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures

Product Identifier: Paint and Varnish Remover - Ver. 1  
 Date of Preparation: September 10, 2018  
 Date of Last Revision:

SDS No.: 178400

Page 04 of 09

**Eye/Face Protection**

Wear chemical safety goggles.

**Skin Protection**

Wear chemical protective clothing e.g. gloves, aprons, boots.  
Suitable materials are: nitrile rubber.

**Respiratory Protection**

Not normally required if product is used as directed. For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Basic Physical and Chemical Properties**

<b>Appearance</b>	Milky yellow liquid. Particle Size: Not applicable
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not applicable
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	45 - 50 °C (113 - 122 °F) (closed cup)
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	Not available
<b>Solubility</b>	Not available in water; Not available (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not applicable
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid
<b>Molecular Formula</b>	Not applicable
<b>Molecular Weight</b>	Not applicable
<b>Bulk Density</b>	Not applicable
<b>Surface Tension</b>	Not applicable
<b>Critical Temperature</b>	Not applicable
<b>Electrical Conductivity</b>	Not available
<b>Vapour Pressure at 50 deg C</b>	Not applicable
<b>Saturated Vapour Concentration</b>	Not applicable

**SECTION 10. STABILITY AND REACTIVITY****Reactivity**

None known.

**Chemical Stability**

Normally stable.

Product Identifier: Paint and Varnish Remover - Ver. 1  
Date of Preparation: September 10, 2018  
Date of Last Revision:

SDS No.: 178400

Page 05 of 09

## Possibility of Hazardous Reactions

None known.

## Conditions to Avoid

Prolonged exposure to high temperatures. Open flames, sparks, static discharge, heat and other ignition sources. Water, moisture or humidity. Temperatures above 83.0 °C (181.4 °F)

## Incompatible Materials

Strong acids (e.g. hydrochloric acid), strong oxidizing agents (e.g. perchloric acid).

## Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; very toxic, flammable aldehydes.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Eye contact; skin contact.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Diethylene glycol monomethyl ether	> 50000 mg/m <sup>3</sup> (rat) (4-hour exposure)	6830 mg/kg (rat)	9404 mg/kg (rabbit)
Ethylene glycol	2725 mg/m <sup>3</sup> (rat) (4-hour exposure)	1560 mg/kg Human - Male	9530 mg/kg (rabbit)
2-Propanol	17000 ppm (rat) (4-hour exposure)	3600 mg/kg (mouse)	12890 mg/kg (rabbit)
Diisopropanolamine	Not available	4765 mg/kg (rat)	8000 mg/kg (rabbit)

LC50: Not applicable.

LD50 (oral): Not applicable.

LD50 (dermal): Not applicable.

### Skin Corrosion/Irritation

Human experience and animal tests show mild irritation.

### Serious Eye Damage/Irritation

Human experience and animal tests show serious eye damage.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause At high concentrations depression of the central nervous system. Symptoms may include headache, nausea, dizziness, drowsiness and confusion. A severe exposure can cause unconsciousness.

#### Skin Absorption

No information was located.

#### Ingestion

May be harmful If large amounts are swallowed.

### Aspiration Hazard

Not known to be an aspiration hazard.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

### Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
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Product Identifier: Paint and Varnish Remover - Ver. 1

SDS No.: 178400

Date of Preparation: September 10, 2018

Date of Last Revision:

Page 06 of 09

Diethylene glycol monomethyl ether	Not Listed	Not designated	Not Listed	Not Listed
Ethylene glycol	Not Listed	A4	Not Listed	Not Listed
2-Propanol	Group 3	A4	Not Listed	Not Listed
Diisopropanolamine	Not Listed	Not designated	Not Listed	Not Listed

### Reproductive Toxicity

#### Development of Offspring

Animal studies show effects on the offspring. Known to cause: following skin contact and/or if swallowed: decreased weight. Teratogenic(external, soft tissue and skeletal defects) embryotoxic (late resorptions).

#### Sexual Function and Fertility

May cause effects on sexual function and/or fertility. Known to cause: reduced male fertility. However, these effects were seen in the presence of significant other toxicity. These effects are not considered relevant to occupational exposures.

#### Effects on or via Lactation

No information was located.

### Germ Cell Mutagenicity

Conclusions cannot be drawn from the limited studies available.

### Interactive Effects

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

This section is not required by OSHA HCS 2012.

### Ecotoxicity

#### Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Diethylene glycol monomethyl ether	Not available		Not available	
Ethylene glycol	39140 mg/L (Oncorhynchus mykiss (rainbow trout))		24000 mg/L (Daphnia magna (water flea))	
Diisopropanolamine	Not available		Not available	

### Persistence and Degradability

No information was located.

### Bioaccumulative Potential

No information was located.

### Mobility in Soil

No information was located.

### Other Adverse Effects

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products

Product Identifier: Paint and Varnish Remover - Ver. 1

SDS No.: 178400

Date of Preparation: September 10, 2018

Date of Last Revision:

Page 07 of 09

should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1263	PAINT RELATED MATERIAL	3	III
US DOT	1263	PAINT RELATED MATERIAL	3	III

**Special Precautions** Please note: In containers of 5 L (5Kg) capacity or less this product is classified as a "Limited Quantities" "Consumer Commodity" under TDG regulations.  
In containers of 5 L (5Kg) capacity or less this product is classified as a "Consumer Commodity" under DOT regulations.

### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### Proof of Dangerous Goods Classification

**Date of Classification** September 10, 2018  
**Technical Name** PAINT RELATED MATERIAL  
**Classification** 3 PG III  
**Classification Method** Flashpoint as per Section 9

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

None known.

#### Canada

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

##### Additional USA Regulatory Lists

California Proposition 65: WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov/product](http://www.P65Warnings.ca.gov/product).

### Custom Regulatory 1

Consumer Product Safety Improvement Act of 2008 General Conformity Certification

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Compliance and Regulatory Department

**Phone No.** 905-878-5544

**Date of Preparation** September 10, 2018

**Additional Information** We are committed to uphold the Industry Consumer Ingredient Communication Voluntary

Product Identifier: Paint and Varnish Remover - Ver. 1

SDS No.: 178400

Date of Preparation: September 10, 2018

Date of Last Revision:

Page 08 of 09



Initiative.

Please send us your request by visiting our website at [www.recochem.com](http://www.recochem.com).

Ingredients present (intentionally added ingredients) at a concentration of greater than one percent (1%) shall be listed in descending order of predominance. Ingredients present at a concentration of not more than one percent shall be listed but may be disclosed without respect to order of predominance.

**Disclaimer**

Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.