



# SAFETY DATA SHEET

Revision Date 28-Oct-2016

Revision Number 0

This document complies with the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** Dykem Remover and Prep Aerosol

### Other means of identification

**Part Number** 82038

**Formula Code** 8947A

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Remover & Cleaner, Aerosol

**Uses advised against** No information available

### Supplier's details

**Initial Supplier**  
ITW Permatex Canada  
1-35 Brownridge Road  
Halton Hills, ON, L7G 0C6  
Canada

**Supplier Address**  
ITW PRO BRANDS  
805 E. Old 56 Highway  
Olathe, KS 66061  
TEL: 1-800-443-9536

### Emergency telephone number

**Emergency Telephone Number** 800-535-5053 Infotrac

## 2. HAZARDS IDENTIFICATION

### Classification

This product is considered hazardous according to the criteria set within the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

Serious Eye Damage/Eye Irritation	Category 2
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

## Label Elements

### Danger



### Hazard Statements

Causes serious eye irritation  
May cause drowsiness or dizziness  
Extremely flammable aerosol  
Contains gas under pressure; may explode if heated

### Physical and Health Hazards Not Otherwise Classified

Not applicable.

### Precautionary Statements

#### Prevention

- Wash face, hands and any exposed skin thoroughly after handling.
- Wear eye/face protection.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Do not spray on an open flame or other ignition source
- Pressurized container: Do not pierce or burn, even after use.

#### General Advice

- None

#### Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

#### Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.

#### Ingestion

- None

#### Fire

- None

#### Spills and Leaks

- None

#### Storage

- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
- Protect from sunlight

#### Disposal

- Dispose of contents/container to an approved waste disposal plant.

## Other information

0% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Acetone	67-64-1	54.4	-	-
Ethanol	64-17-5	27.54	-	-
Petroleum gases, liquified, sweetened	68476-86-8	15	-	-
n-Propyl acetate	109-60-4	1.53	-	-
Isopropyl alcohol	67-63-0	1.53	-	-

### 4. FIRST AID MEASURES

#### Description of necessary first-aid measures

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if applicable, and continue flushing. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water. If skin irritation persists, call a physician. Clothing frozen to the skin should be thawed before being removed.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Consult a physician if necessary.
<b>Protection of First-aiders</b>	Use personal protective equipment. Remove all sources of ignition.

#### Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** Eye irritation/reactions. Drowsiness. Dizziness.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Alcohol-resistant foam.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Specific Hazards Arising from the Chemical</b>	Flammable. Flash back possible over considerable distance. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Ruptured cylinders may rocket.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	Yes.
<b>Protective Equipment and Precautions for Firefighters</b>	In the event of fire and/or explosion do not breathe fumes As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. Pay attention to flashback. Contents under pressure.

### Environmental Precautions

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

### Methods and materials for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. Do not breathe vapors or spray mist. Ensure adequate ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Contents under pressure. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat and sources of ignition. Keep out of the reach of children. Do not store above 49°C / 120.2°F.

**Incompatible Products** Strong oxidizing agents. Strong acids. Strong reducing agents. Strong alkalis.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm 10% LEL TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup>	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m <sup>3</sup>

		(vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
n-Propyl acetate 109-60-4	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 840 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 840 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 1050 mg/m <sup>3</sup>	IDLH: 1700 ppm TWA: 200 ppm TWA: 840 mg/m <sup>3</sup> STEL: 250 ppm STEL: 1050 mg/m <sup>3</sup>

*Immediately Dangerous to Life or Health. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH:*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Avoid contact with eyes. Risk of contact, wear: Goggles.  
**Skin and Body Protection** Rubber gloves.  
**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Aerosol.	<b>Appearance</b>	Clear, Cloudy White, Colorless.
<b>Odor</b>	Sweet, Solvent.	<b>Odor Threshold</b>	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	56.11 °C / 133 °F	None known
Flash Point	No data available	None known
Evaporation rate		None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	> 1 (air = 1)	None known
Specific Gravity	No data available	None known
Water Solubility	Soluble in water.	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	Water thin	None known

**Flammable Properties** EXTREMELY FLAMMABLE

**Explosive Properties** No data available  
**Oxidizing Properties** No data available

**Other information**

VOC Content (%) 100.000002384186  
 VOC (g/l) 388 g/l

## 10. STABILITY AND REACTIVITY

**Reactivity** No data available.

**Chemical stability** Stable under recommended storage conditions.

**Possibility of hazardous reactions** None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to avoid** Heat, flames and sparks. Temperatures above 49 °C / 120.2 °F. Incompatible products.

**Incompatible materials** Strong oxidizing agents. Strong acids. Strong reducing agents. Strong alkalis.

**Hazardous decomposition products** Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

**Inhalation** May cause drowsiness and dizziness. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Inhalation of vapors in high concentration may cause irritation of respiratory system.

**Eye Contact** Causes serious eye irritation.

**Skin Contact** Repeated exposure may cause skin dryness or cracking.

**Ingestion** Not an expected route of exposure.

**Numerical measures of toxicity - Product**

**Unknown acute toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.

*The following values are calculated based on chapter 3.1 of the GHS document:*

**LD50 Oral** 7251 mg/kg; Acute toxicity estimate  
**LD50 Dermal** 836601 mg/kg; Acute toxicity estimate  
**Inhalation**  
**dust/mist** 452.8 mg/L; Acute toxicity estimate  
**Vapor** 3634.7 mg/L; Acute toxicity estimate

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acetone	= 5800 mg/kg ( Rat )	1700mg/kg (rabbit)	18892 mg/m <sup>3</sup>
Ethanol	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Isopropyl alcohol	= 1870 mg/kg ( Rat )	12800 mg/kg ( Rat ) 12870 mg/kg ( Rabbit )	72.6 mg/L ( Rat ) 4 h
n-Propyl acetate	= 8700 mg/kg ( Rat )	> 17756 mg/kg ( Rabbit )	-

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Respiratory or Skin Sensitization** No information available.  
**Germ Cell Mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed and abused as an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol	A3	Group 1	Known	X
Isopropyl alcohol		Group 3		X

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to its Carcinogenicity to Humans

**NTP: (National Toxicity Program)**

Known - Known Carcinogen

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**Reproductive Toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Chronic Toxicity**

Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

**Target Organ Effects**

Respiratory system. Eyes. Skin. Central nervous system (CNS).

**Aspiration Hazard**

No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Acetone 67-64-1		LC50 96 h: 4.74 - 6.33 mL/L (Oncorhynchus mykiss) LC50 96 h: 6210 - 8120 mg/L static (Pimephales promelas) LC50 96 h: = 8300 mg/L (Lepomis macrochirus)	EC50 = 14500 mg/L 15 min	EC50 48 h: 10294 - 17704 mg/L Static (Daphnia magna) EC50 48 h: 12600 - 12700 mg/L (Daphnia magna)
Ethanol 64-17-5		LC50 96 h: 12.0 - 16.0 mL/L static (Oncorhynchus mykiss) LC50 96 h: 13400 - 15100 mg/L flow-through (Pimephales promelas) LC50 96 h: > 100 mg/L static (Pimephales promelas)	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	LC50 48 h: 9268 - 14221 mg/L (Daphnia magna) EC50 24 h: = 10800 mg/L (Daphnia magna) EC50 48 h: = 2 mg/L Static (Daphnia magna)
n-Propyl acetate 109-60-4		LC50 96 h: 56 - 64 mg/L flow-through (Pimephales promelas) LC50 96 h: 56 - 64 mg/L static (Pimephales promelas)		EC50 24 h: = 318 mg/L (Daphnia magna)
Isopropyl alcohol 67-63-0	EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus) EC50 96 h: > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 11130 mg/L static (Pimephales promelas) LC50 96 h: = 9640 mg/L flow-through (Pimephales promelas) LC50 96 h: > 1400000 µg/L (Lepomis macrochirus)		EC50 48 h: = 13299 mg/L (Daphnia magna)

**Persistence and Degradability**

No information available.

**Bioaccumulation**

Chemical Name	Log Pow
Acetone	-0.24
Ethanol	-0.32
Petroleum gases, liquified, sweetened	2.8
Isopropyl alcohol	0.05

**Mobility** No information available.

**Other Adverse Effects** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of in accordance with local/regional/national regulations.

**Contaminated Packaging** Do not re-use empty containers.

**US EPA Waste Number** U002

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Acetone - 67-64-1		Included in waste stream: F039		U002

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Acetone	Ignitable
Ethanol	Toxic Ignitable
n-Propyl acetate	Toxic Ignitable
Isopropyl alcohol	Toxic Ignitable

### 14. TRANSPORT INFORMATION

#### DOT

**Proper shipping name** Consumer commodity  
**Hazard Class** ORM-D  
**Reportable Quantity (RQ)** Acetone: RQ kg= 4172.79  
**Description** Consumer commodity, ORM-D  
**Emergency Response Guide Number** 126

#### TDG

**UN-Number** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1  
**Description** UN1950, Aerosols, 2.1

#### MEX

**UN-Number** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1  
**Description** UN1950, Aerosols, 2.1

#### IATA

**UN-Number** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard Class** 2.1  
**ERG Code** 10L  
**Description** UN1950, Aerosols, flammable, 2.1

#### IMDG/IMO

**UN-Number** UN1950  
**Proper Shipping Name** Aerosols



<b>Hazard Class</b>	2
<b>Subsidiary Class</b>	See SP63
<b>EmS No.</b>	F-D, S-U
<b>Description</b>	UN1950, Aerosols, 2.1 (See SP63)

## 15. REGULATORY INFORMATION

### International Regulations

**Ozone depleting substances** Not applicable  
**Persistent Organic Pollutants** Not applicable

#### **Hazardous Waste**

Chemical Name	Basel Convention (Hazardous Wastes)
Acetone	Y42
Ethanol	Y42
Isopropyl alcohol	Y42

**The Rotterdam Convention (Prior Informed Consent)** Not applicable

**International Convention for the Prevention of Pollution from Ships (MARPOL)** Not applicable

### International Inventories

**TSCA** Complies  
**DSL** Complies

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Isopropyl alcohol	67-63-0	1.53	1.0

### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	Yes
<b>Reactive Hazard</b>	No

### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Acetone	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

### U.S. State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals: Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	CAS-No	California Prop. 65
Ethanol	64-17-5	Developmental

**U.S. State Right-to-Know Regulations**

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Acetone	X	X	X		X
Ethanol	X	X	X	X	
Isopropyl alcohol	X	X	X		X
n-Propyl acetate	X	X	X		X

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

<b>16. OTHER INFORMATION</b>
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<b><u>NFPA</u></b>	Health Hazard 2	Flammability 4	Instability 0	Physical and Chemical Hazards -
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<b><u>HMIS</u></b>	Health Hazard 2	Flammability 4	Physical Hazard 0	Personal Protection X
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**Prepared By** Product Stewardship  
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**Revision Note** Initial Release.

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**