

# MATERIAL SAFETY DATA SHEET

All-Solve

Prepared 03-25-2014

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## SECTION I CHEMICAL PRODUCT AND COMPANY INFORMATION

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<b>PRODUCT NAME:</b>	All-Solve	<b>PRODUCT CODE:</b>	50.300.00, 50.305.00, 50.308.00
<b>CAS #:</b>	Mixture	<b>PRODUCT USE:</b>	Polyurethane Remover
<b>SUPPLIED BY:</b>	Pinnacle West Enterprises Inc. 31897 Mercantile Way Abbotsford, BC, V2T 4C3	<b>EMERGENCY CONTACT:</b>	CHEMTREC 1-800-424-9300

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## SECTION II HAZARDS IDENTIFICATION

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### Potential health effects

**Eyes** This product may cause irritation to the eyes. High concentration of product vapors can cause severe irritation of eyes.

**Skin** Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

**Inhalation** Exposure to oil mist/fume/vapor may cause respiratory tract irritation. Excessive inhalation of this product may cause headache, dizziness, blurred vision, nausea and vomiting.

**Ingestion** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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## SECTION III COMPOSITION / INFORMATION ON INGREDIENTS

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Hazardous components	CAS #	Percent
2-PYRROLIDINONE, 1-METHYL-	872-50-4	40 - 60
2(3H)-FURANONE, DIHYDRO	96-48-0	10 - 30
ETHYLENE GLYCOL MONOPHENYL ETHER	122-99-6	10 - 20
POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-(NONYLPHENYL)- .OMEGA.-HYDR	68412-54-4	2.5 - 10
PROPANOL, [2-(2-METHOXYMETHYLETHOXY)METHYLETHOXY]-	25498-49-1	2.5 - 10
PROPANOIC ACID, 3-ETHOXY-, ETHYL ESTER	763-69-9	2.5 - 10

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## SECTION IV FIRST AID MEASURES

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<b>EYE CONTACT</b>	Flush immediately with water for at least 15 minutes. Do not rub eyes. If irritation persists get medical attention.
<b>SKIN CONTACT</b>	For skin contact flush with large amounts of water while removing contaminated clothing. Wash contaminated clothing before reuse. If irritation persists, get medical attention.
<b>INHALATION</b>	If inhalation of gas/fume/vapor/dust/mist from the material is excessive (air concentration is greater than the TLV or health effects are noticed), immediately remove the affected person(s) to fresh air. If symptoms persist, get medical attention.
<b>INGESTION:</b>	DO NOT induce vomiting unless directed to do so by medical personnel. Call a physician immediately.

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## SECTION V FIRE FIGHTING MEASURES

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<b>EXTINGUISHING MEDIA</b>		
Suitable extinguishing media		Dry chemical (preferred), alcohol foam, water. Use water to cool fire-exposed containers and to protect personnel.
<b>PROTECTION OF FIREFIGHTERS</b>		
Protective equipment and precautions for Firefighters		Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>HAZARDOUS COMBUSTION PRODUCTS</b>		Irritating and/or toxic gases may be emitted upon the products decomposition.

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## SECTION VI ACCIDENTAL RELEASE MEASURES

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<b>Personal precautions</b>	Recommendations for personal protective equipment should be followed
<b>Methods for containment</b>	Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.
<b>Methods for cleaning up</b>	Absorb spill with inert material. Shovel material into appropriate container for disposal.

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## SECTION VII HANDLING AND STORAGE

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<b>Handling</b>	As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid getting this material into contact with your skin and eyes.
<b>Storage</b>	Keep the container tightly closed and in a cool, well-ventilated place.

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## SECTION VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Engineering controls** Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

**Eye / face protection** Wear safety glasses; chemical goggles (if splashing is possible).  
**Skin protection** Use impervious gloves. Normal work clothing (long sleeved shirts and long pants) is recommended. Use of impervious apron and boots are recommended where splashing of the chemical is likely.  
**Respiratory protection** Respiratory protection; not normally required for ambient air concentrations not exceeding the Occupational Exposure Limit. If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH/MSHA respiratory protection must be provided

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## SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

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Physical state	Liquid.
pH	N/AP
Boiling point	410 °F (210 °C) estimated
Flash point	192.2 °F (89 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Vapor pressure	0.45 hPa estimated
Solubility (H <sub>2</sub> O)	miscible
Specific gravity	1.0648 estimated
Density	1.0647 g/cm <sup>3</sup> estimated

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## SECTION X STABILITY AND REACTIVITY

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**Chemical stability** Stable under normal conditions.  
**Incompatible materials** Strong oxidizing agents (peroxides, chlorine, strong acids).  
**Hazardous decomposition products** None known. Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.  
**Possibility of hazardous reactions** Will not occur.

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## SECTION XI TOXICOLOGICAL INFORMATION

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### TOXICOLOGICAL DATA

Product	Test Results
All-Solve (Mixture)	Acute Dermal LD50 Rabbit: 14545 mg/kg estimated Acute Oral LD50 Mouse: 4335 mg/kg estimated Acute Oral LD50 Rat: 3478 mg/kg estimated Acute Other LD50 Mouse: 1302 mg/kg estimated Acute Other LD50 Rat: 2133 mg/kg estimated

Components	Test Results
ETHYLENE GLYCOL MONOPHENYL ETHER (122-99-6)	Acute Oral LD50 Mouse: 16500 mg/kg Acute Oral LD50 Rat: 1260 mg/kg
2-PYRROLIDINONE, 1-METHYL- (872-50-4)	Acute Dermal LD50 Rabbit: 8000 mg/kg Acute Oral LD50 Mouse: 5130 mg/kg Acute Oral LD50 Rat: 3914 mg/kg Acute Other LD50 Mouse: 54.5 mg/kg
2(3H)-FURANONE, DIHYDRO (96-48-0)	Acute Other LD50 Rat: 80.5 mg/kg Acute Oral LD50 Mouse: 1260 mg/kg Acute Oral LD50 Rat: 1540 mg/kg Acute Other LD50 Mouse: 880 mg/kg

### CARCINOGENICITY

**IARC Monographs on Occupational Exposures to Chemical Agents:**

2(3H)-FURANONE, DIHYDRO (96-48-0)

**Overall evaluation**

3 Classification not possible from current data.

**Toxicological information** No data available for this product.

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## SECTION XII ECOLOGICAL INFORMATION

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### ECOTOXICOLOGICAL DATA

Product	Test Results
All-Solve (Mixture)	LC50 Fish: 1914 mg/l 96 Hours estimated

Product	Test Results
ETHYLENE GLYCOL MONOPHENYL ETHER (122-99-6)	LC50 Fathead minnow ( <i>Pimephales promelas</i> ): 337 - 352 mg/l 96 Hours

**Ecotoxicity** No data available for this product.  
**Environmental effects** No data available for this product.

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**SECTION XIII DISPOSAL CONSIDERATIONS**

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**Disposal instructions**                    Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

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**SECTION XIV TRANSPORT INFORMATION**

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**SECTION XV REGULATORY INFORMATION**

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**US federal regulations**                    All components are on the U.S. EPA TSCA Inventory List.

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

2-PYRROLIDINONE, 1-METHYL- (872-50-4)                    1.0 %

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

2-PYRROLIDINONE, 1-METHYL- (872-50-4)                    Listed.

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

Hazard categories                    Immediate Hazard - Yes  
     Delayed Hazard - No  
     Fire Hazard - Yes  
     Pressure Hazard - No  
     Reactivity Hazard – No

Section 302 extremely hazardous substance                    No

Section 311 hazardous Chemical                    Yes

**State regulations**                    Other state regulations may apply. Check individual state requirements.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

2-PYRROLIDINONE, 1-METHYL- (872-50-4)                    Listed.

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

2-PYRROLIDINONE, 1-METHYL- (872-50-4)                    Listed: June 15, 2001 Developmental toxin.

**US - New Jersey Community RTK (EHS Survey): Reportable threshold**

2-PYRROLIDINONE, 1-METHYL- (872-50-4)                    500 LBS

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

2-PYRROLIDINONE, 1-METHYL- (872-50-4)                    Listed.

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**SECTION XVI REGULATORY INFORMATION**

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**HMIS® ratings**

Health: 2  
Flammability: 2  
Physical hazard: 0

**NFPA ratings**

Health: 2  
Flammability: 2  
Instability: 0

**Disclaimer**

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.