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**SECTION 1: IDENTIFICATION**

Catalogue No. (N/A)

Product Name: **Pelucid**  
Manufacturer Name: POR-15, Inc.  
General Use: Clear coat  
Product Description: Polyurethane prepolymer resin solution

Address: P.O. Box 1235 Unit 1 / 4 Prosperity Parade  
Morristown NJ 07962-1235 Warriewood, NSW 2102  
USA AUSTALIA  
Email: [support@por15.com](mailto:support@por15.com) [sales@ppcco.com.au](mailto:sales@ppcco.com.au)  
Business Phone: (800) 457-6715 (02) 9999 0122  
Business Fax: (973) 887-8007 (02) 9999 0394  
Emergency Phone: (973)-887-1999 1800 039 008 (24 hours)  
For information  
in North America, call: (800) 457-6715

**CHEMTREC Numbers:****For emergencies in the US, call CHEMTREC: 800-424-9300****For emergencies outside US, call INTERNATIONAL: (703)527-3887 131 126**

Manufacturer MSDS Revision Date: 17.07.09

Trade Names: Pelucid

## HMIS

Health Hazard: 3  
Fire Hazard: 3  
Reactivity: 1  
Personal Protection:

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**Physical Description / Properties**

Physical State/Appearance: Clear liquid  
Odour: Aromatic door  
Vapour Density: Heavier than air  
Flash Point: 28°C (82°F)  
Lower Explosive Limit: 1.0%  
Boiling Point: 135 - 142°C (275 - 288°F)  
Specific Gravity: 1.0 (Water = 1)  
Evaporation Point: Slower than n-Butyl Acetate  
Percent Volatile: 40% By Volume  
Volatile Organic Compound Content: Maximum VOC: 410 grams/litre  
Maximum VOS: 3.42 lbs per gallon  
Molecular Formula: Mixture  
Molecular Weight: Varies

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**Ingredients**

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Chemical Name	CAS#	Lower Percent	Upper Percent
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Urethane Polymer	Proprietary
Xylene	1330-20-7
Ethyl Benzene	68333-23-3
Isophorone Diisocyanate	4098-71-9
Isocyanate Oligomer	Non-hazardous

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## SECTION 2 : HEALTH HAZARD INFORMATION

Catalogue No.: (N/A)

### Health Effects

**Emergency Overview:** Hazardous according to criteria of Work safe Australia

#### **Applies to All Ingredients:**

#### **Potential Health Effects:**

**Eye Contact:** Contact with eyes may cause burning and tearing.

**Skin Contact:** Prolonged or repeated skin contact may cause irritation and dermatitis.

**Inhalation:** Vapours may cause irritation of the respiratory tract. Vapours emitted from high temperature processes may cause sensitization. Excessive exposure to vapours or spray mists can result in headache, dizziness, incoordination, nausea and loss of consciousness. Some reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**PERMISSABLE EXPOSURE LEVEL:**  
The OSHA PEL and ACGIH TLV for many isocyanate compounds is 0.005 ppm.

### First Aid

**Eye Contact:** Immediately flush eyes with plenty of water for 15 to 20 minutes occasionally lifting eyelids. Get medical attention, if irritation or symptoms of overexposure persists.

**Skin Contact:** Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash contaminated clothing thoroughly before re-use.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. If difficulty noted in breathing, get medical attention at once.

**Ingestion:** If swallowed, do NOT induce vomiting. Call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person.

**Urethane Polymer :**

**Xylene :**

**Ethyl Benzene :**

**Isophorone Diisocyanate :**

**Isocyanate Oligomer :**

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## Engineering Controls / Personal Protection / Flammability

<b>Engineering Controls:</b>	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
<b>Ventilation System:</b>	Use in well-ventilated areas only. Have adequate general exhaust.
<b>Local Exhaust:</b>	Local exhaust ventilation is required if material is sprayed or heated.
<b>Skin Protection Description:</b>	Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered to a minimum.
<b>Hand Protection Description:</b>	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
<b>Eye/Face Protection:</b>	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Contact lenses should not be worn.
<b>Respiratory Protection:</b>	A NIOSH approved air-purifying respirator with an organic vapour cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, spray painting, or any other circumstances where air purifying respirators may not provide adequate protection.
<b>Other Protective:</b>	Eyewash and deluge shower should be available.

## Exposure Standards

**Ingredient Guidelines****Ingredient:** Ethyl Benzene

Guideline Type: OSHA PEL-TWA

Guideline Type: ACGIH TLV-TWA

Guideline Type: Australian Exposure Standard

**Ingredient:** Isocyanate Oligomer

Guideline Type: ACGIH TLV-TWA

Guideline Type: Australian Exposure Standard

Guideline Type: OSHA PEL-TWA

**Ingredient:** Isophorone Diisocyanate

Guideline Type: ACGIH TLV-TWA

Guideline Information: 0.005 ppm

Guideline Type: OSHA PEL-TWA

Guideline Type: Australian Exposure Standard

**Ingredient:** Urethane Polymer

Guideline Type: Australian Exposure Standard

Guideline Type: OSHA PEL-TWA

Guideline Type: ACGIH TLV-TWA

**Ingredient:** Xylene

Guideline Type: ACGIH TLV-TWA

Guideline Information: 100 ppm

Guideline Type: OSHA PEL-TWA

Guideline Information: 100 ppm (435 mg/m<sup>3</sup>)

Guideline Type: Australian Exposure Standard

Guideline Information: 100 ppm

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## Storage And Transport

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<b>Handling:</b>	Avoid inhalation of heated vapours or spray mists. Avoid prolonged or repeated skin contact.
<b>Storage:</b>	Prevent contamination with moisture, alcohols, glycols, and strong bases.
<b>OTHER PRECAUTIONS:</b>	Isocyanate compounds may react violently with water, alcohols, glycols, and strong bases. Violent container rupture may result if this material is placed in a closed container with other reactive materials.
<b>Chemical Stability:</b>	Stable
<b>Incompatibilities with Other Materials:</b>	Water, amines, strong bases, alcohols. Maintain at room temp. or cooler.
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products:</b>	At elevated temperatures, isocyanate vapours may be formed. Under severe thermal degradation, carbon monoxide and low molecular weight organic compounds may be formed.
<b>DOT Shipping Name:</b>	Paint
<b>DOT UN Number:</b>	UN1263
<b>DOT Hazard Class:</b>	3
<b>DOT Packing Group:</b>	III

## Spills And Disposal

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<b>Personal Precautions:</b>	Wear protective equipment during cleanup.
<b>Spill Cleanup Measures:</b>	Ventilate area. Absorb spill with suitable absorbant material and place in a closed container.
<b>Environmental Precautions:</b>	Prevent this material from entering waterways.
<b>Large Spill:</b>	For large spills, dike area and pump into closed containers.
<b>Waste Disposal:</b>	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines. Triple-rinse drums prior to offering for recycle.

## Fire / Explosion Hazard

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<b>Fire:</b>	Flammable liquid. Vapours can form an ignitable mixture with air. Vapours can flow along surfaces to a distant ignition source and flash back.
<b>Flash Point:</b>	28°C (82°F)
<b>Lower Flammable or Explosive Limit:</b>	1.0%
<b>Flammability Class:</b>	1C, A II
<b>Extinguishing Media:</b>	Dry chemical (e.g. monoammonium phosphate, potassium sulphate, and potassium chloride), carbon dioxide, high expansion (proteinic) chemical foam, sand.
<b>Protective Equipment:</b>	As in any fire wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Unusual Fire Hazards:</b>	This material may form toxic Isocyanate vapours if heated.

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### Applies to All Ingredients :

**Section 312 Hazard Category:** This material has been categorized as having the following hazard(s) as defined by SARA Title III regulations (40 CFR 370):

Acute: Yes

Chronic: Yes

Fire: Yes

**Canada WHMIS:** Canadian WHMIS Classification: 82, D2A, D2B  
Regulatory Information: None

### Urethane Polymer :

#### Xylene :

**Section 313 Toxic Release Form:** The following ingredients in this material are subject to the reporting requirements of section 313 of SARA and 40 CFR 372 (see Section 2 for percentage of ingredients):  
Xylene (1330-20-7)

#### Ethyl Benzene :

**Section 313 Toxic Release Form:** The following ingredients in this material are subject to the reporting requirements of section 313 of SARA and 40 CFR 372 (see Section 2 for percentage of ingredients):  
Ethyl Benzene (100-41-4)

### Isophorone Diisocyanate :

#### Isocyanate Oligomer :

### HMIS:

Health Hazard: 3

Fire Hazard: 3

Reactivity: 1

**MSDS Revision Date:** 17.07.09

### Disclaimer:

This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet. We welcome any additional information about our products that customers have obtained by personal experience.

### References:

1. American Chemical Society, STN Easy Online Database
2. Brethericks Reactive Chemical Hazards Database. Version 2.
3. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
4. Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer.
6. Industrial Hygiene and Toxicology, by F.A. Patty.
7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Eighth Report on Carcinogens, 1997.
9. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
10. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.
11. Sax Dangerous Properties of Industrial Materials. Tenth Edition.
12. The Merck Index: An Encyclopaedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.

13. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environmental and Biological Exposure Indices. TLV Booklet, 2001.

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