1. PRODUCT AND SUPPLIER IDENTIFICATION

**Product Name**  CLEANING SOLVENT  
**Product Use**  Product is used for cleaning application and associated equipment.  
**Company Name**  Urethane Coatings a division of Era Polymers Pty Ltd.  
**Address**  25-27 Green Street  
Banksmeadow NSW 2019  
**Telephone**  (02) 9666 3788  
**Fax**  (02) 9666 4805  
**Emergency Telephone**  1800 039 008

2. HAZARDS IDENTIFICATION

**Hazards Classification**  According to the criteria of WorkSafe Australia, this product is classified hazardous.  
**Poisons Schedule**  S6  
**Safety Phrases**  S02, S03/09/14, S07/08, S15, S16, S21, S23, S24/25, S33, S35, S36/37/39, S38, S61, S62.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL ENTITY</th>
<th>CAS No</th>
<th>PROPORTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARDOUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>40-80%</td>
</tr>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>108-10-1</td>
<td>20-40%</td>
</tr>
<tr>
<td>Methylated Spirits</td>
<td>064-17-5</td>
<td>20-40%</td>
</tr>
<tr>
<td>All other substances non-hazardous</td>
<td>Balance to 100%</td>
<td></td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

Ingestion
Rinse mouth immediately with water and give water to drink. Do NOT induce vomiting. If vomiting occurs, place person’s face downwards, head lower than hips to prevent vomit entering lungs. Seek immediate medical advice and/or call poisons information centre, Australia 131126.

Eye
Irrigate affected eye(s) with copious quantities of water, ensuring eyelids are held open. Seek medical advice if any pain or redness persists.

Skin
Wash affected skin and surrounding area thoroughly with soap and water as soon as possible. Remove contaminated clothing and wash underlying skin. Launder clothing before re-use.

Inhalation
If inhalation of mists, fumes, or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical assistance.

Other Information
Eye wash fountains and safety showers should be easily accessible.

Advice to Doctor
Treat symptomatically.

5. FIRE FIGHTING MEASURES

Fire Hazards
Flammable liquid. Keep containers cool with water spray.

Extinguishing Media
Foam, carbon dioxide, or dry chemical powder

Fire Fighting Measures
Wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion. Wear protective clothing.

Hazchem Code
3[Y]
6. ACCIDENTAL RELEASE MEASURES

Minor Spills

Extinguish or remove all potential sources of ignition. Increase ventilation. Avoid physical contact with this product. Absorb with an inert non-combustible material such as vermiculite or sand. Wear full protective clothing and goggles. Prevent run off into drains or waterways. Collect and place into drums with non-sparking tools for recovery or disposal.

Major Spills

Inform authorities if a major spillage occurs. Evacuate all non-emergency personnel from area. Keep public away. Warn occupants downwind. Dike area far ahead of liquid and recover. Extinguish all ignition sources. Prevent entry into drainage systems, rivers etc. Collect with absorbent material such as sand, earth or vermiculite. Ensure waste disposal conforms to Local, State and Federal regulations.

7. HANDLING AND STORAGE

Handling

All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. DO NOT cut, drill, weld or operate beside open and empty containers. DO NOT smoke.

Storage

Store and transport in accordance with AS 1940-1993 and local, state, and federal regulations. Store in a cool, well-ventilated area. Store away from sources of heat or ignition. Store away from oxidising agents and foodstuffs. Keep containers tightly closed when not in use. Check regularly for leaks. This material is a Scheduled Poison (S6) and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits¹

As no specific data is available for this product. Component limits are as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>mg/m³ TWA</th>
<th>ppm TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>377</td>
<td>100</td>
</tr>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>205</td>
<td>50</td>
</tr>
<tr>
<td>Methylated Spirits</td>
<td>1880</td>
<td>1000</td>
</tr>
</tbody>
</table>

¹ As no specific data is available for this product.
CLEANING SOLVENT

Other Exposure Info

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms:

- Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week; peak limitation; or short term exposure limit (STEL).

Engineering Controls

Exposure can be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.

Personal Protective Equipment

Avoid eye and skin contact. Avoid inhaling the vapour or mist. Follow normal industrial safety practices. The use of protective clothing and equipment depends on the degree of exposure. The following personal protective equipment should be used:

- **Respirator**: Where concentrations in air exceed recommended exposure limits, work practice, or other means of exposure reduction are not adequate, use respirator fitted with filters that conform to AS 1716.

- **Eye Protection**: Use safety glasses, chemical goggles or face shield as appropriate, refer to AS 1337.

- **Hand Protection**: Use chemical resistant rubber gloves, refer to AS 2161.

- **Protective Clothing**: Use long sleeved chemical resistant overalls, fastened at neck and wrists, refer to AS 3765.

- **Footwear**: Wear chemically impervious safety shoes/boots, refer to AS 2210.

Work/Hygienic Practices

Ensure high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking etc.
CLEANING SOLVENT

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>Aromatic odour</td>
</tr>
<tr>
<td>Density (g/l @ 25°C)</td>
<td>850</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Volatiles (v/v %)</td>
<td>100</td>
</tr>
<tr>
<td>Solubility</td>
<td>Not soluble in water, soluble in most organic solvents</td>
</tr>
<tr>
<td>Melting Point (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point (°C)</td>
<td>110</td>
</tr>
<tr>
<td>Vapour Pressure (mm Hg @ 20°C, 1 atm)</td>
<td>23</td>
</tr>
<tr>
<td>Flash Point (°C ABEL)</td>
<td>4</td>
</tr>
<tr>
<td>Flammability Limits (v/v %)</td>
<td>1.3-7.0</td>
</tr>
<tr>
<td>Auto ignition temperature (°C)</td>
<td>536</td>
</tr>
<tr>
<td>Rel. Vapour Density (Air = 1)</td>
<td>3.1</td>
</tr>
<tr>
<td>Evaporation Rate (relative to n-butyl acetate)</td>
<td>2.2</td>
</tr>
<tr>
<td>Molar mass (g/mol)</td>
<td>Mixture</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Sparks, heat, sources of ignition.</td>
</tr>
<tr>
<td>Incompatible Materials</td>
<td>Oxidising agents.</td>
</tr>
<tr>
<td>Decomposition Products</td>
<td>Oxides of carbon (CO₂, CO) and nitrogen.</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>

11. TOXICOLOGY INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicology Information</td>
<td>Data is unavailable for this product. However, toxicology for component ingredients is as follows:</td>
</tr>
<tr>
<td>Toluene</td>
<td>Toxic. Animal studies have shown this compound to cause CNS effects and behavioural changes. CNS disorders and tubular renal damage have been reported in humans involved in addictive sniffing of toluene at extremely high concentrations.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Swallowing can cause nausea, vomiting and central nervous system depression. If the affected person is uncoordinated there is a greater likelihood of vomit entering the lungs and causing subsequent complications.</td>
</tr>
</tbody>
</table>
CLEANING SOLVENT

Eye Contact
May cause eye irritation.

Skin Contact
Contact will have a degreasing action on the skin, and may result in irritation. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Inhalation
Harmful if inhaled. Vapour may be an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of coordination, impaired judgement and if exposure is prolonged, unconsciousness.

Chronic
Repeated or prolonged exposure to this chemical could result in central nervous system disorders.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity
Toxic to aquatic organisms. Avoid contamination of drainage systems and waterways.

Mobility
No data available.

Biodegradability
Will undergo aerobic biodegradation.

Bioaccumulation
Not predicted to occur

13. DISPOSAL CONSIDERATIONS

Disposal Considerations
Recycle, reuse, or assess suitability for solvent recycling schemes if possible. Ensure waste disposal conforms to Local, State and Federal regulations. Incineration is recommended where an appropriate facility available. Empty containers should be recycled or disposed of through a licensed contractor.

14. TRANSPORT INFORMATION

Transport Information
Store and transport in accordance with AS 1940-1993 and local, state, and federal regulations. Classified as Dangerous Goods, Class 3 Flammable Liquid, by the criteria of the Australian Dangerous goods code (ADG Code) for Transport by Road and Rail.
CLEANING SOLVENT

UN number 1263
Proper Shipping Name Paint
DG Class 3
Hazchem Code 3[Y]
Packaging Method
Packaging Group III
EPG Number
IERG Number
IMDG
CAS NO. PROPRIETARY
Subsidiary Risk Nil

15. REGULATORY INFORMATION

Poisons Schedule S6
Packing & Labelling 20, 10, 4 and 1 litre drums with class 3 labels according to Australian Code for Transport of Dangerous Goods and labels to meet the requirements of a Schedule 6 poison.

Shelf Life This product is best if used within 24 months from manufacture (refer to batch number), when stored in unopened containers under normal conditions of temperature and humidity.

16. OTHER INFORMATION


NOTICE to READERS

Classification of the preparation and its individual components has drawn on official and authoritative sources using available literature references. Urethane Coatings make no representation as to the completeness and accuracy of the data contained in this MSDS. It is the user’s obligation to evaluate and use this data, and to comply with all relevant Federal, State and local Government laws and regulations. Urethane Coatings shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendations contained herein, from abnormal use of the material, or from any hazard inherent in the nature of the material.

End of MSDS