

**Section 1.0 – Identification Of Material And Supplier**

**Product Name** : Lockwell UP100 Side B – Resin  
**Proper Shipping Name** : Amines, liquid, corrosive, n.o.s. (contains polyoxypropylenediamine)  
**Recommended use** : As the polyol base in the manufacture of spray polyurethanes coatings  
**Suppliers Name** : Lockwell Systems Co., Ltd.  
199/5 Moo.21 Soi Chongsiri Parkland  
T.Bangphleeyai, A.Bangplee, Samutprakarn 10540, Thailand.  
**Country of Origin** : Thailand  
**Phone Number** : +662 136 3868  
**Date of Preparation** : 1 April 2015

**Section 2.0 – Hazards Identification****Statement of Hazardous Nature:**

Classified as non-hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Not dangerous goods.

**Section 3.0 – Composition / Information on Ingredients**

<b>Ingredients:</b>	<b>Cas No:</b>	<b>%</b>
Polyether polyol	-	> 60
Alkyl diol	-	10-29
Amine catalyst	-	1-9
Additives	-	1-9
Non-hazardous components		to 100

**Section 4.0 – First Aid Measures****EMERGENCY & FIRST AID PROCEDURES**

**Eye Contact:** Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with soap and running water. If irritation occurs seek medical attention. Wash contaminated clothing before re-use.

**Inhalation:** Remove victim from exposure. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Ingestion:** Rinse mouth with water. If vomiting occurs give further water. Seek medical advice.

**Note to physician:** Treat symptomatically. Condition aggravated by exposure to the amines present include asthma, skin disorders and allergies, bronchitis, emphysema and eye diseases.

**Section 5.0 – Fire Fighting Measures****Extinguishing media:**

Combustible liquid, water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

**Special Fire Fighting Procedures:**

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

**Unusual Fire and Explosion Hazards:**

On burning will emit toxic fumes including those of carbon monoxide and carbon dioxide.

### Section 6.0 – Accidental Release Measure

#### SPILLS AND DISPOSAL

**Steps to be taken in case material is released or spilled:**

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Do not touch or walk through spilled material.

Contain – prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material).

**Waste Disposal Method:**

collect and seal in properly labelled drums for disposal. Wash area down with excess water to remove residual material.

### Section 7.0 – Handling and Storage

#### SPECIAL PRECAUTIONS AND STORAGE DATA

**Special Sensitivity (Heat, Light, Moisture):**

Store in a well-ventilated area. Store in a cool place and out of direct sunlight. Store away from oxidising agents, strong acids and isocyanates. Keep containers tightly sealed at all times.

#### STORAGE AND TRANSPORT

**Storage Temperature (Min/Max):**

**Average Shelf Life:**

### Section 8.0 – Exposure Controls / Personal Protection

#### EXPOSURE STANDARDS

**Threshold Limit Value – Time Weighted Average (TLV-TWA): Not established**

**Threshold Limit Value – Short Term Exposure Limit (TLV-STEL): Not established**

**Threshold Limit Value – Ceiling (TLV-C): Not established**

#### ENGINEERING CONTROLS

**Ventilation:** Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

#### PERSONAL PROTECTION

**Skin and eye protection:** Overalls, safety shoes, impervious gloves.

**Respiratory Protection:** If inhalation risk from spray mists exists wear a filter respirator suitable for organic particulates meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet.

#### FLAMMABILITY

**Flammability Limits:** Not applicable.

**Section 9.0 – Physical and Chemical Properties**

Appearance & Odour	: Milky liquid
Boiling Point	: Not available
Vapour Pressure	: Not available
Specific Gravity	: 1.04
Flash Point	: >200
% Volatile by Volume	: Not available
Flammability Limits	: Not available
Solubility in Water	: Insoluble

**Section 10.0 – Stability and Reactivity****REACTIVITY DATA**

**Stability:** Stable under normal conditions of use.

**Polymerisation:**

**Incompatibility (Materials to avoid):** Reacts with strong oxidising agents, reacts with isocyanates.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide.

**Section 11.0 – Toxicology Information****Potential acute health effects**

**Skin and Eyes:** Contact with skin may result in irritation. May cause mild eye irritation. Vapours even in low concentrations can cause corneal oedema, giving rise to a transient perception of a 'blue haze' or 'fog' around lights.

**Ingestion:** No adverse effects expected, however large amounts may cause nausea and vomiting.

**Inhaled:** Amine vapours may be an irritant to mucous membranes and respiratory tract. These vapours are more prominent in enclosed spaces or when the material is heated.

**CHRONIC**

**Human Effects of Over Exposure:**

**Section 12.0 – Ecological Information**

No data available.

**Section 13.0 – Disposal Considerations****Methods of disposal:**

Recycle wherever possible.

Bury residue in an authorised landfill.

Recycle containers if possible. If not possible, dispose of in an authorised landfill.

Containers may still present a chemical hazard/danger when empty.

If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, and then puncture containers, to prevent re-use, and bury at an authorised landfill.

Contact appropriate Waste Management Company for guidance and disposal options in your area.

Where possible retain label warnings and MSDS and observe all notices pertaining to the product.



## SAFETY DATA SHEET

# LOCKWELL UPI00 SIDE-B RESIN

### Section 14.0 – Transportation Information

U.N. No: Not applicable	Haz Chem Code: Not applicable
Dangerous Goods Class:	Not dangerous goods
Proper Shipping Name:	Not applicable
Packaging Group:	Not applicable
Toxic Substances Schedule:	Not applicable

### Section 15.0 – Regulatory Information

**Non-hazardous and non-dangerous goods.**

### Section 16.0 – Other Information

#### Disclaimer

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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**Prepared by: Lockwell Systems LLC**