

# Material Safety Data Sheet

Emergency Phone: (PERS 800-633-8253 domestic 801-629-0667 International )

## I. Chemical Product And Company Data

**PRODUCT:** ADUREL U3300 COATING  
**CHEMICALFAMILY:** Urethane Coating  
**REVISION DATE:** 03/23/05  
**MANUFACTURER:** Adurel International Inc.  
820 Water St. Racine WI 53403  
800-860-5834 Fx 262-632-3446

Health	3
Flammability	3
Reactivity	2
Personal Protection	H

## II. Composition / Information On Ingredients

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard. All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

HAZARDOUS INGREDIENTS	CAS NO	EXPOSURE LIMITS			CONTENT
		TLV	STEL	PEL	
Methyl Acetate	79-20-9	200 ppm	250 ppm	200 ppm	11%
Methyl Ethyl Ketone	78-93-3	200 ppm	300 ppm	200 ppm	3.33%
Toluene Diisocyanate	589-84-9	0.005ppm	0.005ppm	0.005ppm	< 0.2%
Petroleum Hydrocarbons	64742-95-6	100 ppm	N/A	N/A	7.56%

### California Proposition 65 ingredients

Toluene Diisocyanate	589-84-9	<0.2%
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### Section 313 Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 (40CFR372)

1,2,4 trimethyl benzene	95-63-6	3.84%
Xylene	1330-20-7	0.36%
Cumene	98-82-8	0.18%
Ethylbenzene	100-41-4	0.06%
Toluene Diisocyanate	589-84-9	<0.2%

## III. Hazards Identification

HMIS Hazard Rating No. 3

PRIMARY ROUTE OF ENTRY: Eye and skin contact, breathing and ingestion.

Symptoms of Exposure

**Skin Contact:** May cause irritation to the skin and is expected to be absorbed. Individuals with skin sensitization may develop symptoms with exposure to vapor or liquid.

Eyes: Vapors cause irritation to the eyes., can cause tearing, redness and swelling. If untreated may result in corneal damage, injury is slow to heal, usually reversible.

Inhalation Vapor inhalation may cause respiratory tract irritation, can occur in some individuals (due to TDI). High solvent vapor levels may cause CNS depression.

Ingestion: Not expected to be a relevant route of exposure although it may cause permanent damage to the mouth throat and stomach.

#### IV. First Aid Measures

Inhalation Remove victim from exposure. If difficulty with breathing, administer oxygen and seek medical assistance

Eyes Flush eyes with cold water for a minimum of 15 minutes, lifting lower and upper eye lids throughout. Seek immediate medical attention.

Skin Immediately remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion Do not induce vomiting, get immediate medical attention, if vomiting occurs spontaneously keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person

#### V. Fire Fighting Methods

HMIS Hazard Rating No. 3

Flash Point: 8.6 °F

Method: Closed Cup

General Hazard: Decomposition and combustion products may be toxic.

Auto-Ignition Temp.: Not Available

Limits of Flammability

LEL: 3.1%

UEL: 16.0%

Extinguishing Media

Carbon Dioxide, foam, dry chemical, water spray or fog.

Special Fire & Unusual Hazards

Move containers from area if it can be done without risk. Cool fire-exposed containers with water from the side. As in any fire, wear NIOSH/MSHA approved, pressure demand self contained breathing apparatus and full protective gear.

#### VI. Accidental Release Measures

Action To Take For Spills/ Leaks: Avoid contact with skin or eyes. Ventilate area, eliminate all sources of ignition. Wear appropriate protective gear, contain leak or spill, salvage, clean up residue with absorbent material.

Waste Disposal Method: Handle disposal of waste material in manner which complies with local, state, province and federal regulation. Landfill if solidified, or incineration at agency approved waste-disposal facilities.

#### VII. Handling And Storage

Average Shelf Life:

Refer to Product Data Sheet

Special Instructions

Store away from heat.

#### VIII. Exposure Controls / Personal Protection

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of heavy vapors.

Personal Protection Equipment: Do NOT wear contact lenses when working with this material. Use chemical goggles/safety glasses with side shields and impervious gloves. Wear clothing with long sleeves and pants. In operations where mists can be generated or the exposure limits for crystalline silica exceeded, wear a NIOSH/MSHA approved dust/fume respirator selected by a technically qualified person for the specific work conditions. Wear respirator protection whenever airborne concentrations exceed TLV

ceilings or TWA, use NIOSH approved respirators for listed hazard. Confined spaces, room, or tanks are areas where concern for TLV's is especially important. Reference OSHA regulation CFR 29 1910.134 for recommended respiratory protection.

## IX. Physical And Chemical Properties

Boiling Point (°F):	N/A	Water/Oil Distribution Coefficient:	N/A
V.O.C in g/l:	239	Solubility in Water:	< 1.0 %
Freezing Point (°C):	N/A	Specific Gravity @20° C	1.32
Vapor Pressure @ 68° F	N/A	pH:	N/A
Vapor Density	3.0 (air = 1)	Evaporation Rate:	> 1
Odor Threshold:	N/A	Odor:	Fruity Solvent
Appearance:	White liquid		
N/A = Not Available	N/D=NOT Determined	Ca. = Approximate	

## X. Stability And Reactivity

HMIS Hazard Rating No. 2

Stability

Stable

Incompatibility:

Water, alcohol, amines, and strong bases.

Hazardous Decomposition Products

Oxides of carbon, nitrogen and traces of HCN.

Conditions To Avoid

High heat and humidity.

## XI. Toxicity Information

HMIS Hazard Rating No. 3

PRIMARY ROUTE OF ENTRY: Inhalation, dermal, eyes, and ingestion.

Effects Of Overexposure

Inhalation:

May cause irritation and CNS depression if (over)exposed.

Eyes:

May cause irritation, swelling, and corneal damage.

Skin Contact:

May cause irritation and sensitization.

Ingestion:

May cause permanent damage to the mouth throat and stomach.

Chronic:

This product does not contain chemicals considered to be carcinogenic by NTP, IRAC, ACGIH, OSHA.

## XII. Ecological Information

Marine Pollutant: NL

(NL = Not Listed; P = Moderate; PP = Severe; ND = Not Determined)

## XIII. Disposal Considerations

Handle disposal of waste material in manner which complies with all applicable local, state, provincial and federal regulations.

## XIV. Transport Information

### DOT SHIPPING INFORMATION

DOT Proper Shipping Name Resin Solution

DOT Hazard Class	3	Packaging Group	II
DOT I.D Number	UN1866	Label(s)	Flammable

### **XV. Regulatory Information**

OSHA Hazard Communication Standard (29 CFR 1910.1200)	Hazardous
CERCLA/ Super fund (40 CFR 117,302)	N/A
SARA Extremely Hazardous Substances (40 CFR 355)	N/A
SARA Hazard Categories (40 CFR 370)	Health : Delayed (chronic) Physical: Fire
SARA Toxic Chemicals (40 CFR 372) Inventory Status	See section II The chemicals in this product are listed on the US TSCA Chemical Substance Inventory and the Canadian Domestic Substances List.

### **XVI. Other Information**

THE INFORMATION HEREIN HAS BEEN COMPLIED FROM SOURCES BELIEVED TO BE RELIABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, LymTal INTERNATIONAL INC. CAN NOT GIVE ANY GUARANTEES REGARDING INFORMATION FROM OTHER SOURCES, AND EXPRESSLY DOES NOT MAKE ANY WARRANTIES, NOR ASSUMES ANY LIABILITY, FOR ITS USE.