



# SAFETY DATA SHEET

## Dynasolve CU-6

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** CU-6  
**Product Name:** Dynasolve CU-6  
**Company Name:** SWD URETHANE  
539 S. Drew St.  
Mesa, AZ 85210,  
**Web site address:** www.swdurethane.com  
**Emergency Contact:** CHEMTREC  
(800) 424-9300

### 2. HAZARDS IDENTIFICATION

**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2A**  
**Specific Target Organ Toxicity (single exposure), Category 3**  
**Toxic To Reproduction, Category 1B**  
**Acute Toxicity: Oral, Category 4**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H360 - May damage fertility or the unborn child .  
H302 - Harmful if swallowed.

**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P281 - Use personal protective equipment as required.  
P270 - Do not eat, drink or smoke when using this product.  
P273 - Avoid release to the environment.  
P233 - Keep container tightly closed.  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.  
P243 - Take precautionary measures against static discharge.  
P242 - Use only non-sparking tools.

**GHS Response Phrases:** P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 - If eye irritation persists, get medical advice/attention.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 - Call a POISON CENTER/doctor if you feel unwell.  
P308+313 - IF exposed or concerned: Get medical attention/advice.  
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel



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<b>GHS Storage and Disposal Phrases:</b>	<p>unwell.</p> <p>P330 - Rinse mouth.</p> <p>P370+378 - In case of fire, use dry chemical, alcohol foam or water to extinguish.</p> <p>P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P312 - Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P362 - Take off contaminated clothing and wash before re-use.</p> <p>P403+233 - Store container tightly closed in well-ventilated place.</p>
<b>Potential Health Effects (Acute and Chronic):</b>	<p>Prolonged or repeated skin contact may cause dermatitis.</p> <p>Exposure to high concentrations may cause central nervous system depression.</p>
<b>Inhalation:</b>	<p>Causes respiratory tract irritation. May cause headache. Material has a very low vapor pressure at room temperature, so inhalation exposures are not expected unless material is heated or misted. May be harmful if inhaled. Inhalation of vapor may cause respiratory tract irritation. Vapors may cause dizziness or suffocation. Material may be irritating to mucous membranes and upper respiratory tract.</p>
<b>Skin Contact:</b>	<p>May be harmful by inhalation, ingestion, or skin absorption.</p> <p>Causes skin irritation. May be harmful if absorbed through the skin. Not expected to cause an allergic skin reaction. Because of the high permeability rate of N-methylpyrrolidone in human skin, prolonged exposures should be avoided.</p>
<b>Eye Contact:</b>	<p>Causes eye irritation. May cause temporary corneal clouding.</p>
<b>Ingestion:</b>	<p>May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Harmful if swallowed. May cause irritation of the digestive tract.</p>

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
872-50-4	N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}	40.0 -60.0 %
96-48-0	Butyrolactone {4-Hydroxybutyric acid gamma-lactone}	10.0 -30.0 %
122-99-6	Ethylene glycol monophenyl ether {2-Phenoxy ethanol, (a glycol ether)}	10.0 -20.0 %
763-69-9	Ethyl 3-ethoxypropionate {Poproic acid, 3-ethoxy-,ethyl ester}	2.5 -10.0 %
25498-49-1	Propanol, [2-(2-Methoxymethylethoxy)methylethoxy]-	2.5 -10.0 %
68412-54-4	Poly(oxy-1,2-ethanediyl),.alpha.-(nonylphenyl)-.o mega.-hydroxy-, branched	2.5 -10.0 %



## 4. FIRST AID MEASURES

### Emergency and First Aid

#### Procedures:

#### In Case of Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Remove from exposure and move to fresh air immediately. Consult a physician.

#### In Case of Skin Contact:

In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash off with soap and plenty of water. Consult a physician.

#### In Case of Eye Contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Get medical aid immediately.

#### In Case of Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. If swallowed, wash out mouth with water provided person is conscious.

#### Signs and Symptoms Of Exposure:

Nausea. Headache. Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### Note to Physician:

Treat symptomatically and supportively. Consult a physician. Move out of dangerous area.

## 5. FIRE FIGHTING MEASURES

#### Flash Pt:

89.00 C Method Used: Pensky-Marten Closed Cup

#### Explosive Limits:

LEL: No data. UEL: No data.

#### Autoignition Pt:

No data.

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.

#### Fire Fighting Instructions:

Wear self contained breathing apparatus for fire fighting if necessary. Use water spray to keep fire-exposed containers cool.

#### Flammable Properties and Hazards:

No data available.

#### Hazardous Combustion

Hazardous decomposition products formed under fire conditions.

#### Products:

## 6. ACCIDENTAL RELEASE MEASURES

#### Protective Precautions, Protective Equipment and Emergency Procedures:

Use proper personal protective equipment as indicated in Section 8.

#### Steps To Be Taken In Case Material Is Released Or Spilled:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation.

## 7. HANDLING AND STORAGE

#### Precautions To Be Taken in Handling:

Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.

#### Precautions To Be Taken in Storing:

Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
872-50-4	N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}	No data.	No data.	No data.
96-48-0	Butyrolactone {4-Hydroxybutyric acid gamma-lactone}	No data.	No data.	No data.
122-99-6	Ethylene glycol monophenyl ether {2-Phenoxy ethanol, (a glycol ether)}	No data.	No data.	No data.
763-69-9	Ethyl 3-ethoxypropionate {Popanoic acid, 3-ethoxy-,ethyl ester}	No data.	No data.	No data.
25498-49-1	Propanol, [2-(2-Methoxymethylethoxy)methyletho xy]-	No data.	No data.	No data.
68412-54-4	Poly(oxy-1,2-ethanediyl),.alpha.-(nonylp henyl)-.omega.-hydroxy-, branched	No data.	No data.	No data.
<b>Respiratory Equipment (Specify Type):</b>		Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).		
<b>Eye Protection:</b>		Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.		
<b>Protective Gloves:</b>		Wear appropriate gloves to prevent skin exposure.		
<b>Other Protective Clothing:</b>		Wear appropriate protective clothing to prevent skin exposure.		
<b>Engineering Controls (Ventilation etc.):</b>		Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.		
<b>Work/Hygienic/Maintenance Practices:</b>		Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash contaminated clothing before reuse. Wash thoroughly after handling.		

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas    [ X ] Liquid    [ ] Solid	
<b>Appearance and Odor:</b>	colorless. solvent odor.	
<b>Melting Point:</b>	No data.	
<b>Boiling Point:</b>	210.00 C	
<b>Flash Pt:</b>	89.00 C    Method Used: Pinsky-Marten Closed Cup	
<b>Evaporation Rate:</b>	No data.	
<b>Flammability (solid, gas):</b>	No data available.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Specific Gravity (Water = 1):</b>	1.0648	
<b>Solubility in Water:</b>	No data.	
<b>Solubility Notes:</b>	Completely miscible.	



**Percent Volatile:** No data.  
**Autoignition Pt:** No data.

### 10. STABILITY AND REACTIVITY

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Excessive heat, ignition sources.  
**Incompatibility - Materials To Avoid:** Strong oxidizing agents, Strong acids.  
**Hazardous Decomposition or Byproducts:** irritating and toxic fumes and gases.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

### 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** CAS# 872-50-4:  
Acute toxicity, LD50, Oral, Rat, 3914. MG/KG.  
Results:  
Behavioral: Food intake (animal).  
Nutritional and Gross Metabolic: Weight loss or decreased weight gain.  
- Arzneimittel-Forschung. Drug Research. (Editio Cantor Verlag,, Vol/p/yr: 26,1581, 1976  
  
Acute toxicity, LD50, Skin, Species: Rabbit, 8.000 GM/KG.  
Results:  
Gastrointestinal: Nausea or vomiting.  
Behavioral: Muscle weakness.  
- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,84, 1974

**Carcinogenicity/Other Information:** CAS# 872-50-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 96-48-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 122-99-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
  
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.  
  
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
  
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.  
  
CAS# 763-69-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.



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CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
872-50-4	N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}	n.a.	n.a.	n.a.	n.a.
96-48-0	Butyrolactone {4-Hydroxybutyric acid gamma-lactone}	n.a.	3	n.a.	n.a.
122-99-6	Ethylene glycol monophenyl ether {2-Phenoxy ethanol, (a glycol ether)}	n.a.	n.a.	n.a.	n.a.
763-69-9	Ethyl 3-ethoxypropionate {Popanoic acid, 3-ethoxy-,ethyl ester}	n.a.	n.a.	n.a.	n.a.
25498-49-1	Propanol, [2-(2-Methoxymethylethoxy)methylethoxy]-	n.a.	n.a.	n.a.	n.a.
68412-54-4	Poly(oxy-1,2-ethanediy),.alpha.-(nonylphenyl)-.omega.-hydr oxy-, branched	n.a.	n.a.	n.a.	n.a.

## 12. ECOLOGICAL INFORMATION

<b>General Ecological Information:</b>	Environmental: No information available.
<b>Bioaccumulative Potential:</b>	Indication of bioaccumulation.
<b>Mobility in Soil:</b>	No data available.
	<p>CAS# 122-99-6:            LC50, Fathead Minnow (Pimephales promelas), 344000. UG/L, 96 H, Mortality, Water temperature: 26.60 C C, pH: 7.60, Hardness: 45.00 MG/L; Acute Toxicities of Organic Chemicals to Fathead Minnows (Pimephales promelas), Vol. 1, Brooke, L.T., D.J. Call, D.L. Geiger, and C.E. Northcott, 1984</p>

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with all applicable local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**GHS Classification:** Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation  
 Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation  
 Specific Target Organ Toxicity (single exposure), Category 3 - Warning! May cause respiratory irritation, or may cause drowsiness and dizziness  
 Toxic To Reproduction, Category 1B - Danger! May damage fertility or the unborn child  
 Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed

### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not regulated as a hazardous material.  
**DOT Hazard Class:**  
**UN/NA Number:**

### LAND TRANSPORT (Canadian TDG):

**TDG Shipping Name:** Not regulated as a hazardous material.  
**UN Number:**  
**Hazard Class:** **TDG Classification:**

### AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** Not regulated as a hazardous material.



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### 15. REGULATORY INFORMATION

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
872-50-4	N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}	No	No	Yes
96-48-0	Butyrolactone {4-Hydroxybutyric acid gamma-lactone}	No	No	No
122-99-6	Ethylene glycol monophenyl ether {2-Phenoxy ethanol, (a glycol ether)}	No	No	Yes-Cat. N230
763-69-9	Ethyl 3-ethoxypropionate {Popanoic acid, 3-ethoxy-,ethyl ester}	No	No	No
25498-49-1	Propanol, [2-(2-Methoxymethylethoxy)methylethoxy]-	No	No	No
68412-54-4	Poly(oxy-1,2-ethanediyl),.alpha.-(nonylphenyl)-.o mega.-hydroxy-, branched	No	No	No

#### CAS # Hazardous Components (Chemical Name)

#### Other US EPA or State Lists

872-50-4	N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test, 12(b); CA PROP.65: Yes; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 3716; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
96-48-0	Butyrolactone {4-Hydroxybutyric acid gamma-lactone}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
122-99-6	Ethylene glycol monophenyl ether {2-Phenoxy ethanol, (a glycol ether)}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC; MA Oil/HazMat: No; MI CMR, Part 5: Part 5; NC TAP: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - c; SC TAP: Yes - Cat.; WI Air: Yes - Cat.
763-69-9	Ethyl 3-ethoxypropionate {Popanoic acid, 3-ethoxy-,ethyl ester}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
25498-49-1	Propanol, [2-(2-Methoxymethylethoxy)methylethoxy]-	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
68412-54-4	Poly(oxy-1,2-ethanediyl),.alpha.-(nonylphenyl)-.o mega.-hydroxy-, branched	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

#### CAS # Hazardous Components (Chemical Name)

#### International Regulatory Lists

872-50-4	N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}	Canadian DSL: Yes; Canadian NDSL: No
96-48-0	Butyrolactone {4-Hydroxybutyric acid gamma-lactone}	Canadian DSL: Yes; Canadian NDSL: No
122-99-6	Ethylene glycol monophenyl ether {2-Phenoxy ethanol, (a glycol ether)}	Canadian DSL: Yes; Canadian NDSL: No
763-69-9	Ethyl 3-ethoxypropionate {Popanoic acid,	Canadian DSL: Yes; Canadian NDSL: No



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25498-49-1	3-ethoxy-,ethyl ester} Propanol, [2-(2-Methoxymethylethoxy)methylethoxy]-	Canadian DSL: Yes; Canadian NDSL: No
68412-54-4	Poly(oxy-1,2-ethanediyl),.alpha.-(nonylphenyl)-.o mega.-hydroxy-, branched	Canadian DSL: Yes; Canadian NDSL: No

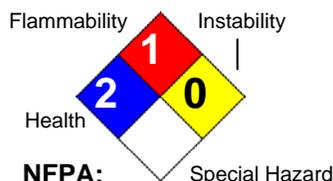
### 16. OTHER INFORMATION

Revision Date: 05/05/2015

Hazard Rating System:

HEALTH		2
FLAMMABILITY		1
PHYSICAL		0
PPE		

HMIS:



Additional Information About This Product: No data available.

Company Policy or Disclaimer:

While the information and recommendations in this publication are given to the best of our knowledge, and information at the date of publication, nothing herein is to be construed as a warranty, expressed or otherwise. In all cases, it is the responsibility of the user to determine the applicability of such information, and recommendations or 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 Safety Data Sheet, no guarantee is made that these are the only hazards that exist. Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.

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