

# Cyberbond



**UCI 400  
Debonder  
Solvent**

MATERIAL SAFETY DATA SHEET

Cyberbond LLC  
401 N Raddant Road, Batavia, IL 60510  
630.761.8900 tel  
630.761.8989 fax  
www.cyberbond1.com

## 1 - Chemical Product and Company Identification

<i>Product Name</i>	<b>UCI 400 Debonder Solvent</b>	<i>Product Type</i>	Cyanoacrylate Remover
<i>Date Revised</i>	7/31/2013	<i>Emergency Number</i>	800-535-5053

## 2 - Composition/Information on Ingredients

<i>Hazardous Component</i>	<i>CAS Number</i>	<i>%</i>
Nitromethane	75-52-5	99-100

### *Ingredients which Have Exposure Limits*

<i>Exposure Limits (TWA)</i>	<i>ACGIH (TLV)</i>	<i>OSHA (PEL)</i>	<i>OTHER</i>
Nitromethane	20 ppm	250mg/m3, 100 ppm TWA	

## 3 - Hazards Identification

<i>Toxicity:</i>	Possible eye and respiratory irritant. Narcotic at high concentrations. Prolonged inhalation may cause headaches. Moderately toxic by ingestion. Liquid may dry out skin. May cause central nervous system effects.
<i>Primary Routes of Entry:</i>	Skin contact, eye contact, inhalation.
<i>Signs of Exposure:</i>	Vapors irritate eyes, nose and throat. Liquid is an eye and skin irritant. Dizziness and nausea are also indicators.

## 4 - First Aid Measures

<i>Ingestion:</i>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<i>Inhalation:</i>	Remove to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel.
<i>Skin Contact:</i>	Thoroughly wash exposed area with soap and water. If irritation develops, seek medical attention. Launder contaminated clothing before reuse.
<i>Eye Contact:</i>	Flush in warm water thoroughly for several minutes. Seek medical attention.

## 5 - Fire Fighting Measures

<i>Flash Point:</i>	96°F, Method: Tag Closed Cup
<i>Extinguishing Media:</i>	Water fog or fine spray, foam, Dry Chemical or Carbon Dioxide
<i>Unusual Fire or Explosion Hazards:</i>	Container may explode from gas generation in a fire. Nitromethane contaminated with sensitizing compounds (amines, alkalis, acids) may become shock sensitive. Vapors are heavier than air and may travel a long distance and accumulate in low lying areas. Ignition or flashback may occur. Flammable concentrations of vapor may accumulate at temperatures above flashpoint.
<i>Special Fire Fighting Procedures:</i>	Keep people away. Isolate fire. Stay upwind. Keep out of low lying areas where gases can accumulate. Water may not be effective in extinguishing fire. Use water spray to cool fire exposed containers until fire is out and danger of reigniting has passed. Immediately withdraw all personnel from area if nitromethane is confined in tanks or process vessels. Do not attempt to fight fire. Burning liquids can be extinguished by dilution with water. Do not use direct water stream, as this may spread fire. Do not use bicarbonate based dry chemical extinguishers (class BC), as reaction with this can form salts that may reignite when dry. Water fog applied gently can be used as a blanket for fire extinguishment.
<i>Hazardous Products Formed by Fire or Thermal Decomposition:</i>	Irritating or toxic Organic Vapors, carbon monoxide, Carbon dioxide and nitrogen oxides.

## 6 - Accidental Release Measures

<i>Steps to be taken in case of spill or leak:</i>	Avoid flame and sparks. Maintain adequate ventilation. Collect in suitable and properly labeled containers. Use non-sparking tools for clean up. Ground and bond all containers and handling equipment. Pump with explosion-proof equipment. Use foam to smother or suppress.
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## 7 - Handling and Storage

<i>Safe Storage:</i>	Store away from flame and sparks.
<i>Handling:</i>	Keep container tightly closed. Avoid contact with skin and eyes. Avoid breathing vapors. Do not use around heat, sparks or open flame. Avoid mixing with strong alkalis or amines. Use with adequate ventilation. Otherwise use self-contained breathing apparatus.

## 8 - Protective Equipment

<i>Ventilation:</i>	Local exhaust ventilation recommended to maintain vapor level below TLV.
<i>Respiratory Protection:</i>	Not applicable with good local exhaust. Otherwise, use self-contained breathing apparatus.
<i>Skin:</i>	Polyethylene or non-reactive gloves.
<i>Eye Protection:</i>	Safety glasses or goggles with side shields.

## 9 - Physical and Chemical Properties

<i>Appearance:</i>	Colorless liquid
<i>Odor:</i>	Sharp, pungent
<i>Boiling Point:</i>	214°F
<i>Vapor Pressure:</i>	27.3mmHg @ 20°C
<i>Vapor Density:</i>	2.1
<i>Evaporation Rate:</i>	Slower than ethyl ether
<i>Specific Gravity:</i>	1.124-1.135 @ 77°F
<i>Solubility in Water:</i>	Miscible
<i>VOC Content (EPA Method 24):</i>	100% by wt.
<i>pH:</i>	6.4
<i>Partition Coefficient:</i>	-0.35
<i>Autoignition temperature:</i>	785°F
<i>Flammable Limits in Air:</i>	Lower: 7.3% by volume @ 33°C

## 10 - Stability and Reactivity

<i>Stability:</i>	Unstable at elevated temperatures and pressures.
<i>Hazardous Polymerization/Decomposition:</i>	Will not occur.
<i>Incompatibility:</i>	Avoid contact with strong oxidizing agents, reducing agents, alkenes, brass, copper, lead alloys, activated carbon.

## 11 - Toxicological Information

Has caused cancer in laboratory animals. Potential carcinogen.

<i>Acute Toxicity:</i>	Peroral: LD50=1210-1478 mg/kg (rat), Percutaneous: LD50=>2000 mg/kg (rabbit). Inhalation: LD50>5113ppm (rat).
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## 12 - Ecological Information

Based on OECD guidelines, this material cannot be considered as readily biodegradable; however that doesn't necessarily mean that the material is not biodegradable under environmental conditions. This material is slightly toxic to aquatic organisms on an acute basis

## 13 - Disposal Considerations

<i>Disposal Procedures:</i>	Do not dump into sewers, on the ground, or into any body of water. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. For unused and uncontaminated product, the preferred options include sending to a licensed, permitted incinerator or other thermal destruction device.
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## 14 - Transportation Information

### Domestic Ground Transport:

<i>Proper shipping name:</i>	Nitromethane
<i>Hazard Class or Division:</i>	3
<i>Identification Number:</i>	UN 1261
<i>Packaging Group:</i>	II

### International Air Transportation (ICAO/IATA):

<i>Proper shipping name:</i>	Nitromethane
<i>Hazard Class or Division:</i>	3
<i>Identification Number:</i>	UN 1261
<i>Packaging Group:</i>	II

### Water Transportation (IMO/IMDG):

<i>Proper shipping name:</i>	Nitromethane
<i>Hazard Class or Division:</i>	3
<i>Identification Number:</i>	UN 1261
<i>Packaging Group:</i>	II
<i>Marine Pollutant:</i>	None

## 15 - Regulatory Information

### US Federal Regulations:

TSCA 8b Inventory Status:	The intentional ingredients of this product are listed.						
CERCLA/SARA Section 302 EHS:	40 CFR 355 Appendix A: NONE						
CERCLA/SARA Section 311/312:	40 CFR 370.2 Immediate(x) Delayed(x) Fire(x) Reactive( ) Sudden release of pressure ( )						
CERCLA/SARA 313:	40 CFR 372.65 NONE						
CERCLA RQ (Reportable Quantity):	<table border="1"><thead><tr><th><u>Reference</u></th><th><u>Component</u></th><th><u>Reportable Quantity (lbs)</u></th></tr></thead><tbody><tr><td>40 CFR 302.4 (a)</td><td>None</td><td>-</td></tr></tbody></table>	<u>Reference</u>	<u>Component</u>	<u>Reportable Quantity (lbs)</u>	40 CFR 302.4 (a)	None	-
<u>Reference</u>	<u>Component</u>	<u>Reportable Quantity (lbs)</u>					
40 CFR 302.4 (a)	None	-					

### International Regulations:

Inventory Status:	All components are listed on or exempt from listing on the TSCA inventory.
Canada DSL/NDSL	Listed
WHMIS Hazard Class:	B.2, D.2.A, D.2.B
EINECS:	Listed
DSL:	Listed

### State and Local Regulations:

CA Proposition 65:	The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following chemicals known to the state of California to cause cancer: Nitromethane(CAS# 75-52-5) at >= 99% and 2-Nitropropane(CAS# 79-46-9) at <= 0.099%.
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## 16 - Other Information

<u>Hazard:</u>	<u>NFPA Hazard Code</u>	<u>HMS Hazard Code</u>
Health:	1	1
Fire:	3	3
Reactivity:	4	4
Specific Hazard:	N/A	Personal Protection; See Section 8

NFPA is a registered trademark of the National Fire Protection Association.

HMS is a registered trademark of the National Paint and Coatings Association.

Prepared by: Cyberbond Regulatory Department  
Company: Cyberbond LLC  
401 N Raddant Road  
Batavia, IL 60510  
630.761.8900 tel  
630.761.8989 fax



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