



# MATERIAL SAFETY DATA SHEET Cynergy Solvent D Debonder

W186 N11687 MORSE DRIVE GERMANTOWN, WI 53022  
262-502-6610 FAX 262-502-4743

## HMIS RATINGS

HEALTH= 2      FLAMMABILITY= 3      REACTIVITY=3      PERSONAL PROTECTION =B

0=LEAST 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME B=GLOVES,SAFETY GLASSES

**CHEMTREC EMERGENCY PHONE 1-800-424-9300**

PREP/REVISION DATE 09/12/2008

### 1. Chemical Product

Product Type: Nitromethane/Methyl Ethyl Ketone Mixture

### 2. Composition and Information on Harmful Ingredients

Ingredients	CAS No.	OSHA PEL	ACGIH TWA	ACGIH STEL	%Composition
Nitromethane	75-52-5	100ppm	20ppm	N.E.	>75
Methyl Ethyl Ketone	78-93-3	200ppm	200ppm	300ppm	<25

### 3. Hazards Identification

Physical State: Liquid.

Color: Clear to amber.

Odor: Ketone Odor.

\*\*\*EMERGENCY OVERVIEW\*\*\*: DANGER! FLAMMABLE LIQUID. Keep away from heat, sparks, and open flame. Harmful if inhaled. Causes eye and skin irritation. Harmful if swallowed. Aspiration may cause lung damage.

Routes of exposure: Eyes, ingestion, inhalation, skin.

Target organs: Eyes, skin, respiratory system, central nervous system, liver, kidneys.

Medical conditions aggravated by exposure: Eye, skin, respiratory system disorders, and nervous system disorders.

Other: Drinking alcohol may worsen the effects resulting from exposure.

Cancer information: This product does not contain greater than 0.1% of known or potential carcinogens listed in NTP, IARC, or OSHA.

### 4. First Aid Measures

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get immediate medical attention.



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Skin contact: Flush skin with plenty of water while removing contaminated clothing and shoes. If irritation persists, get medical attention.

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: If swallowed, call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

NOTE TO PHYSICIANS: There is no specific antidote. Treatment should be directed at controlling symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (e.g., gastric lavage after endotracheal intubation).

## 5. Fire Fighting Measures

Flash Point: >16°F

Flammability Limits: LEL: 1.4-7.3% UEL: 11.4-63%

Autoignition temperature: 759-959°F

Extinguishing Media: Water spray, CO<sub>2</sub>, or appropriate foam.

Special Fire Fighting Procedures: Wear self contained breathing apparatus.

Fire / Explosion Hazards: FLAMMABLE LIQUID. Vapors are heavier than air.

Hazardous Thermal Decomposition Products: Carbon dioxide, carbon monoxide, and nitrogen oxides.

## 6. Accidental Release Measures

FLAMMABLE LIQUID. Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protection recommendations found in section 8. Shut off source of leak if safe to do so. Use non-sparking tools and equipment. Contain spill, place into drums for proper disposal. Soak up residue with non-flammable absorbent material. DO NOT use sawdust. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Use water spray to control vapor.

## 7. Handling and Storage

Storage: FLAMMABLE LIQUID. Store in a cool, well-ventilated area away from all sources of ignition and out of direct sunlight. Keep containers tightly closed. Bond and ground transfer containers and equipment.



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Handling: Avoid contact with eyes, skin, and clothing. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

## 8. Exposure Control and Personal Protection

Engineering controls: Engineering controls are imperative when using this product to avoid overexposure. Do not use in closed or confined spaces.

Respiratory protection: If exposure limits are exceeded, wear NIOSH respirator.

Eye/face protection: Wear chemical safety goggles while handling this product.

Skin protection: Prevent contact. Wear chemical-resistant gloves.

Other protective equipment: Eye-wash station, safety shower, rubber apron.

General hygiene considerations: Wash with soap and water before meal times and at the end of each work shift.

## 9. Physical and Chemical Properties

Boiling point: 175-213°F

Freezing point: N.A.

Evaporation rate: N.A.

Solubility in water: Slightly Soluble

Specific gravity: 1.07-1.08@20°C

Melting point: N.A.

Vapor pressure: 28-71mmHg@20°C

## 10. Reactivity and Stability

Stability: May decompose explosively at or above 315°C

Hazardous Polymerization: Will not occur under normal conditions.

Incompatibility: Acids, metal salts, metals, alkalies, oxidizers.

Conditions to Avoid: Avoid contact with heat, sparks, electric arcs, and open flames.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, and nitrogen oxides.

## 11. Toxicological Information

Oral LD50: Rat – 0.94-5.6g/kg

Dermal LD50: Rabbit – 5-13g/kg

Inhalation LC50: Rat – >5000ppm/6H



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**12. Ecological Information**

Extensive data, call for information.

**13. Disposal Considerations**

Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Contact a licensed professional waste disposal service to dispose of this material.

**14. Transportation Information (Not meant to be all inclusive)**

DOT (Department of Transportation):

Shipping name: Flammable Liquid, N.O.S. (Nitromethane/Methyl Ethyl Ketone Mixture)

Hazard class: 3

ID/UN number: UN1993

Packing group: II

Label required: Flammable Liquid

Special Provisions: PASSENGER AIRCRAFT/RAIL - FORBIDDEN

Reportable quantity (RQ): 5000Lbs. (Methyl Ethyl Ketone)

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