



MATERIAL SAFETY DATA SHEET

CD-1

1. Product Identification

Product Name : Debonder
 Item No : CD-1
 Product : Debonder for ethyl Cyanoacrylate Adhesive
 Supplier : Ultra Energy Adhesive Trading Co. Ltd.
 Address : Room 9, 10th Floor, International Plaza,
 20 Sheung Yuet Road, Kowloon Bay, Kowloon, H.K.
 Tel No. : 852-2751 8880 Fax No. : 852-2795 1625

2. Composition

INGREDIENTS	CAS No.	%
Nitromethane	75-52-5	95-97
Proprietary Additive	Proprietary	3-5

3. Hazards Identification

Eye : Liquid or high vapor concentration can cause pain and irritation with slight corneal injury possible.
 Skin : Prolonged or repeated skin contact can cause irritation and dermatitis through defatting of skin. Prolonged contact can result in skin absorption.
 Ingestion : Can cause burning of throat and mouth.

4. First-Aid Measures

Eye Contact : Rinse with copious amounts of water for at least 15 minutes. Get emergency medical assistance.
 Skin Contact : Flush thoroughly for at least 15 minutes. Wash affected skin with soap and water. Remove contaminated clothing and shoes. Wash skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before re-use and discard shoes. Get emergency medical assistance.
 Ingestion : Call local Poison Control Center for assistance. Contact physician immediately. Never induce vomiting or give anything by mouth to a victim unconscious or having convulsions.
 Inhalation : Immediately remove to fresh air. If not breathing, administer mouth-to-mouth rescue breathing. If there is no pulse, administer cardiopulmonary resuscitation (CPR). Contact physician immediately.

5. Firefighting Measures

Flammable Limits : upper – 1.2 % lower – 6.7 %
 Unusual Fire And Explosion Hazards : Concentrated vapors can be ignited by high intensity heat source or flame. Toxic and corrosive gases are formed high intensity heat source or flame. Toxic and corrosive gases are formed on contact with flames or hot glowing surfaces.
 Extinguishing Media : Flammable material. Use dry chemical, carbon dioxide, foam.
 Special Fire Fighting Procedures :
 Procedures : Unavailable

6. Accidental Release Measures

Spill Or Leak : Wear protective clothing and use approved respirator equipment. Absorb spilled material in an absorbent recommended for solvent



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equipment. Absorb spilled material in an absorbent recommended for solvent spills and remove to a safe location for disposal by approved methods. If released to the environment, comply with all regulatory notification requirements.

7. Handling And Storage

Storage : Should be protected from moisture, temperature extremes, and direct sunlight. Proper storage of accelerator must be determined based on other materials stored and their hazards and potential chemical incompatibility. In general, accelerator should be stored in a cool, well-ventilated and secure toxic storage room.

8. Exposure Controls / Person Protection

Ventilation : Adequate ventilation is required to protect personnel exposure to chemical vapors exceeding the PEL. The choice of ventilation equipment, either local or general, will depend on conditions of use, quantity of material, and other operating parameters.

Respiratory : Use approved respirator equipment. Follow NIOSH and equipment manufacturer's recommendations to determine appropriate equipment (air-purifying, air-supplied, or self-contained breathing apparatus).

Eyes : Safety glasses are considered minimum protection. Goggles or face shield may be necessary depending on quantity of material and conditions of use.

Skin : Protective gloves and clothing are recommended. The choice of material must be based on chemical resistance and other user requirements. Generally, viton, polyvinyl alcohol, or neoprene offer acceptable chemical resistance. Individuals who are acutely and specifically sensitive to NITROMETHANE may require additional protective equipment.

Component Debonder	Exposure Limits OSHA	: 500 PPM TWA
ADGIH : 400 ppm TWA	NIOSH	: Lowest Feasible Limit

9. Physical And Chemical Properties

Pure Substance Or Mixture	: Mixture
Physical Form	: Liquid
Appearance / Odor	: Clear Liquid / Typical Solvent Odor
Odor Threshold	: Not Available
Molecular Weight	: N/A
PH As is	: N/A
PH In (1%)Solution	: N/A
Boiling Point	: 101.2°C
Melting / Freezing Point	: -29°C
Solubility In Water	: Immiscible
Specific Gravity	: 1.139 Note: Water=1
Vapor Pressure	: 40 Note: MM HG At 20°C
Evaporation Rate	: 2.7 Note: Butyl Acetate=1.
Vapor Density	: 3.52
Volatiles %	: 99.9%; 680 Gram / Liter
Flash Point	: 35°C Note: Tag Closed Cup.

10. Stability And Reactivity

Stability	: Stable
Hazardous Polymerization	: Not expected to occur

** All the information is provided on the basis of good faith, and is believed to be trustworthy but is for reference only. Adhesion is very complicated and the result of it is much dependent on the surface material, additives, releasing agents of the substrates and user's methods. UEA and its agents, dealers, distributors, directors and employees cannot accept any liability for the results whatsoever arising from the use of UEA's products due to the utilization of these products is simply out of UEA's control. The users are responsible for selecting the suitability of the products and methods of use.



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Condition To Avoid : Heat, sparks, open flame, open containers, poor ventilation, and moisture.
 Materials To Avoid : Active metals and strong alkaline solutions.
 Hazardous Decomposition Products : Phosgene, hydrogen chloride, and chlorine.

11. Toxicological Information

Primary Routes Of Entry : Debonder may exert its effects through inhalation, skin absorption, and ingestion.
 Effects Of Overexposure : Inhalation and ingestion are harmful and may be fatal. Inhalation may cause headache, nausea, vomiting, dizziness, narcosis, suffocation, lower blood pressure, and central nervous system depression. Inhalation of vapors may cause severe irritation of the respiratory system. Liquid may be irritating to skin and eyes. Prolonged skin contact may result in dermatitis. Eye contact may result in temporary corneal damage. Ingestion may cause nausea, vomiting, gastrointestinal irritation, and burns to mouth and throat.

12. Ecological Information

Not Available

13. Disposal Considerations

Waste Disposal : Dispose of Debonder as an EPA hazardous waste. Contact state environmental agency for listing of licensed hazardous waste disposal facilities and applicable regulations.
 Hazardous Waste Numbers : D001.

14. Transportation Information

Domestic (D.O.T.)
 Dot_Hazards : ORM-D or Class 3, Packing Group II.
 Ship_Name : Consumer Commodity Or Debonder
 UN/NA : UN1261
 Labels : None
 Marine Pollutant : None

International(I.M.O.)
 Dot_Hazards : Class 3, Packing Group II
 Ship_Name : Debonder
 UN/NA : UN1261