

**SECTION 1 – IDENTIFICATION****Chemical Name & Symbol:** Debonder**Trade Name & Synonym:** Adhesive Remover**Product No.:** ML525**Suppliers Name:** Metalink Polymer and Adhesives**Emergency Phone:** 1-800-721-2448**Address:** P.O. Box 851, Buna, TX 77612

<b>HMIS Codes:</b>	<b>Health:</b> 2	<b>Flammability:</b> 3	<b>Reactivity:</b> 3
<b>NFPA Codes:</b>	<b>Health:</b> 1	<b>Fire Hazard:</b> 3	<b>Reactivity:</b> 4

**SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS**

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

**SECTION 3 – HAZARD 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 and skin. **Target organs:** Eyes, skin, respiratory, central nervous system, liver and 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.

**SECTION 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.

**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).

**SECTION 5 – FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	16°F
<b>Flammability Limits:</b>	<b>LEL:</b> 1.4% <b>UEL:</b> 63%
<b>Autoignition Temperature:</b>	759°F
<b>Extinguishing Media:</b>	Water spray, CO <sub>2</sub> , or appropriate foam
<b>Special Fire Fighting Procedures</b>	Wear self contained breathing apparatus
<b>Fire/Explosion Hazards:</b>	FLAMMABLE LIQUID. Vapors are heavier than air
<b>Hazardous Thermal Decomposition Products:</b>	Carbon dioxide, carbon monoxide and nitrogen oxides

**SECTION 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.

**SECTION 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.

**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.

10/03/11

## MATERIAL SAFETY DATA SHEET

DEBONDER

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

<b>Engineering controls:</b>	Engineering controls are imperative when using this product to avoid overexposure. Do not use in closed or confined spaces.
<b>Respiratory protection:</b>	If exposure limits are exceeded, wear NIOSH respirator.
<b>Eye/face protection:</b>	Wear chemical safety goggles while handling this product.
<b>Skin protection:</b>	Prevent contact. Wear chemical-resistant gloves.
<b>Other protective equipment:</b>	Eye-wash station, safety shower and rubber apron.
<b>General hygiene considerations:</b>	Wash with soap and water before meal times and at the end of each work shift.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling point:</b>	175 - 213°F	<b>Specific gravity:</b>	1.07 – 1.08 @ 20°C
<b>Freezing point:</b>	N/A	<b>Melting point:</b>	N/A
<b>Evaporation rate:</b>	N/A	<b>Vapor pressure</b>	71 mmHg @ 20°C
<b>Solubility in water:</b>	Slightly Soluble		

**SECTION 10 – STABILITY AND REACTIVITY**

<b>Stability:</b>	May decompose explosively at or above 315°C.
<b>Hazardous Polymerization:</b>	Will not occur under normal conditions.
<b>Incompatibility:</b>	Acids, metal salts, metals, alkalis and oxidizers.
<b>Conditions to Avoid:</b>	Avoid contact with heat, sparks, electric arcs and open flames.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide, carbon monoxide and nitrogen oxides.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

<b>Oral LD50:</b>	Rat – 0.94 – 5.6 g/kg
<b>Dermal LD50:</b>	Rabbit – 5 – 13 g/kg
<b>Inhalation LC50:</b>	Rat - >5000 ppm/6H

**SECTION 12 – ECOLOGICAL INFORMATION**

Contains NO substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

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

**SECTION 14 – TRANSPORT INFORMATION****DOT (Department of Transportation):**

<b>Shipping name:</b>	Flammable Liquid, N.O.S. (Nitromethane/Methyl Ethyl Ketone Mixture)
<b>Hazard class:</b>	3
<b>ID/UN number:</b>	UN1993
<b>Packing group:</b>	II
<b>Label required:</b>	Flammable Liquid
<b>Special provisions</b>	PASSENGER AIRCRAFT/RAIL – FORBIDDEN
<b>Reportable quantity (RQ):</b>	5000 lbs. (Methyl Ethyl Ketone)

**SECTION 15 – REGULATORY INFORMATION**

**TSCA:** All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

**Canada DSL:** All ingredients of this product are listed, or are exempt from listing on the Canada DSL.

**SECTION 16 – OTHER INFORMATION**

The information for this MSDS was obtained from sources we believe are reliable. However, this information is provided without any representation or warranty, expressed or implied, regarding accuracy and correctness. The conditions or methods of handling, storage, use and disposal of the product area beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability or loss, damage or expense arising from it or in any way connected with the handling, use and storage of the product. **METALINK POLYMERS AND ADHESIVES** assumes no responsibility for personal injury or property damage to vendees, user or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.