



MATERIAL SAFETY DATA SHEETS

REMOVE DEBONDER: M745-1001

1. GENERAL INFORMATION

PRODUCT NAME: REMOVE DEBONDER Date: 08/30/05
CHEMICAL NAME: Nitromethane/Methyl Ethyl Ketone Mixture
HMIS CODE: HEALTH 1 FLAMMABILITY 3 REACTIVITY 4

RPM, WFG.
3194 Hickory Blvd.
Hudson, NC 28638
Phone: 828-728-8266

2. COMPOSITION AND INFORMATION ON HARMFUL INGREDIENTS:

INGREDIENTS:	CAS#	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, and kidneys.

Medical conditions aggravated by exposure: Eyes, 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.

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

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing give artificial respiration, preferably mouth-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 in to lungs.

NOTE TO PHYSICIANS: There is no specific antidote. Treatment should be directed at controlling the 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 (eg., gastric lavage after endotracheal intubation)

5. FIRE FIGHTING MEASURES

FLASH POINT: >16°F
FLAMMABLE LIMITS: LEL:1.4-7.3% UEL=11.4-63%
AUTOIGNITION TEMPERATURE: 759-959°F
EXTINGUISHING MEDIA: Carbon Dioxide, appropriate foam, water spray
SPECIAL FIRE FIGHTING: Wear self-contained breathing apparatus
FIRE and
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 in to 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 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 HAVE EXPLORE AND CAUSE INJURY OR DEATH.

8. SPECIAL PROTECTION INFORMATION

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 exceeded, wear NIOSH respirator.
Eye/face protection: Wear safety goggles while handling this product.
Skin protection: Prevent contact. Wear chemical-resistant gloves.
Other protective equipment: Eyewash station, safety shower, and rubber apron.
General hygiene consideration: Wash with soap and water before meal times and at the end of each work shift.

9. SPECIAL PRECAUTIONS

BOILING POINT: 175-213 °F SPECIFIC GRAVITY: 1.07-1.08@20 °C
FREEZING POINT: N.A. MELTING POINT: N.A.
EVAPORATION RATE: N.A. VAPOR PRESSURE: 28-71 mmHg @20 °C
SOLUBILITY IN WATER: Slightly Soluble

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

12. ECOLOGICAL INFORMATION

Extensive data, call for information.

13. DISPOSAL CONSIDERATION

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)

IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE, FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.