

Revised
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MATERIAL SAFETY DATA SHEETS

REMOVE DEBONDER

HMIS	HEALTH 1	FLAMMABILITY 3	REACTIVITY 3
NFPA	HEALTH 1	FIRE HAZARD 3	REACTIVITY 3

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME:
GENERAL DESCRIPTION:

REMOVE DEBONDER
Nitromethane

2. COMPOSITION:

NITROMETHANE
2-BUTANONE

CAS #
75-52-5
78-93-3

WEIGHT %
80
20

3. CHEMICAL AND PHYSICAL PROPERTIES:

APPEARANCE:
ODOR:
SPECIFIC GRAVITY:
BOILING POINT:
SOLUBILITY IN WATER:
VAPOR DENSITY:
VAPOR PRESSURE:
PERCENT VOLATILE:
EVAPORATION RATE:
VOC

Clear liquid
Mild Characteristic Odor
1.124 – 1.129
101°C
10.5% by weight @ 20°C
2.1
.27.3 (mm Hg @ 20°C)
100%
n-butyl acetate 100-139
100.0%; 9.6lb per Gal

4. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT:
FLAMMABLE LIMITS
EXTINGUISHING MEDIA
SPECIAL FIRE FIGHTING
PROCEDURES:
UNUSUAL FIRE and
EXPLOSION HAZARDS:

96°F (method used C. O. C.)
LEL = 7.3% UEL = N/A
Carbon Dioxide, dry chemicals, water
Wet down tank & Containers to prevent rupture.
Avoid breathing vapors.
Sensitized by amines, alkalis, acids: can detonate
by adiabatic compression. Dry alkali or amine salts are
explosives.

5. HEALTH HAZARD DATA:

THRESHOLD LIMIT VALUE

(TLV and PEL) 100ppm

EFFECTS OF OVEREXPOSURE

Liquid-Prolong exposure can lead to mild irritation due
to "defatting". Only slightly toxic by ingestion. Vapor-
Headache, nausea, vomiting, narcosis. Chronic
overexposure may cause liver and kidney damage
Irritant. For eye contact flush with plenty of water.
for 15 minutes.

First Aid Eye:

Wash exposed skin with soap and water. Launder clothing
contaminated with NM before reuse.

Skin:

Remove to fresh air. Call a physician, who may check for
increased methemoglobin content.

Inhalation:

Induce vomiting by giving victim 2 glasses of water and
having him place a finger down the throat.

Ingestion:

6. STORAGE & HANDLING DATA

STORAGE: Store below 120°F in a tightly closed container away from oxidizing materials and sources of ignition.



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7. REACTIVITY DATA

STABILITY:
CONDITIONS TO AVOID:
SENSITIZATION:

Stable
Shock under heavy confinement. Adiabatic compression.
DO NOT TRAP BETWEEN CLOSED VALVES OR USE
POSITIVE DISPLACEMENT PUMPS TO DISCHARGE
NITROMETHANE

INCOMPATIBILITY:
HAZARDOUS DECOMPOSITION:
HAZARDOUS POLYMERIZATION:

Lead, copper, their alloys-amines, strong alkalis, strong Acids
None
Will not occur

8. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Evacuate area and remove potential sources of spark or flame. Properly protect personnel may then attempt to contain large spills and pump to salvage. Absorb unrecoverable spills with an inert solid such as sand or earth. Flush area with water.

DISPOSAL METHOD:

For purposes of disposal, Nitromethane is classified by EPA as a hazardous waste. Undiluted material is EPA Hazardous Waste Number D001 characteristic of ignitability. This material must be disposed of at a permitted disposal facility, preferably by incineration. Check your local EPA regulations for proper disposal.

9. SPECIAL PROTECTION INFORMATION

RESPIRATORY:

Air supplied respiration or self-contained breathing apparatus in area of high vapor concentration. DO NOT use canister type face mask because break through is easily detected.

VENTILATION:

General ventilation with local exhaust in areas of high vapor concentrations.

GLOVES:

Rubber gloves

EYE:

Safety Glasses

PROTECTIVE CLOTHING:

Rubber apron

10. SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Keep away from heat and flame.
Keep container closed. Store only in original containers

PROTECT FROM HIGH ENERGY IMPACTS.
KEEP AWAY FROM CHILDREN

SHELF LIFE: Twelve months in original sealed container

11. TRANSPORTATION DATA

Classification:

Flammable liquid

Chemical:

Nitromethane

UN Number:

UN 1261

Class:

3

Packaging group:

II

Reportable quantity:

100 lbs

California 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 substance(s) known to the state of California to cause cancer.
NITROMETHANE

Engineering Excellence

For technical information

and support call 1-800-552-0299 or visit our website at

www.instantca.com

IMPORTANT NOTICE

NON-WARRANTY:

Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. The Company shall not be liable for any injury, loss, or damage in the use of its chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. These products are for industrial use only.