

## SAFETY DATA SHEET

### MASTER INDUSTRIES REMOVE DEBONDER

Version 1.0

Revision Date 07/08/2019

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MASTER INDUSTRIES REMOVE DEBONDER  
Product code : 100000009676

##### Manufacturer or supplier's details

Company : H.B. Fuller Engineering Adhesives  
Address : 9001 W Fey Drive  
Frankfort, IL, 60423  
Telephone : 1-815-464-5606

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

##### Recommended use of the chemical and restrictions on use

Recommended use : Cleaning compound  
Restrictions on use : For industrial use only.

#### SECTION 2. HAZARDS IDENTIFICATION

##### Emergency Overview

|            |                       |
|------------|-----------------------|
| Appearance | liquid                |
| Color      | Clear to light yellow |
| Odor       | characteristic        |

##### GHS Classification

Flammable liquids : Category 2  
Acute toxicity (Oral) : Category 4  
Acute toxicity (Inhalation) : Category 4  
Eye irritation : Category 2A  
Carcinogenicity : Category 2  
Reproductive toxicity : Category 2  
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

##### GHS label elements

Hazard pictograms : 

Signal Word : Danger

##### Hazard Statements:

H225 Highly flammable liquid and vapor. H302 + H332 Harmful if swallowed or if inhaled. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H351 Suspected of

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causing cancer. H361 Suspected of damaging fertility or the unborn child.

**Precautionary Statements:**

**Prevention:** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:** P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:** P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.

**Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

**Potential Health Effects**

**Carcinogenicity:**

|             |  |
|-------------|--|
| <b>IARC</b> | Group 2B: Possibly carcinogenic to humans<br>nitromethane 75-52-5  |
| <b>OSHA</b> | No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens. |
| <b>NTP</b>  | Reasonably anticipated to be a human carcinogen<br>nitromethane 75-52-5  |

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous ingredients**

| Chemical name | CAS-No. | Concentration [%] |
|---------------|---------|-------------------|
| nitromethane  | 75-52-5 | 70 - 90           |
| butanone      | 78-93-3 | 20 - 30           |

Actual concentration is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

- General advice : Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
Keep patient warm and at rest.

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- |                         |   |
|-------------------------|---|
|                         | Consult a physician after significant exposure.   |
| In case of skin contact | : Wash off immediately with soap and plenty of water.<br>Call a physician if irritation develops or persists.         |
| In case of eye contact  | : Rinse immediately with plenty of water, also under the eyelids.<br>Seek medical advice.                             |
| If swallowed            | : If swallowed, call a poison control center or doctor immediately.<br>Do not induce vomiting without medical advice. |

#### SECTION 5. FIRE-FIGHTING MEASURES

- |  |   |
|--|---|
| Suitable extinguishing media                   | : Carbon dioxide (CO2)<br>Sand<br>Foam  |
| Unsuitable extinguishing media                 | : Water   |
| Hazardous combustion products                  | : No hazardous combustion products are known  |
| Specific extinguishing methods                 | :   |
| Further information                            | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.           |
| Special protective equipment for fire-fighters | : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear. |

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |   |  |
|---|--|
| Personal precautions, protective equipment and emergency procedures | : Refer to protective measures listed in sections 7 and 8.<br>Ensure adequate ventilation.                         |
| Environmental precautions   | : Prevent product from entering drains.<br>Do not flush into surface water or sanitary sewer system.               |
| Methods and materials for containment and cleaning up               | : Ventilate the area.<br>Soak up with inert absorbent material.<br>Do not flush with water.<br>Shovel or sweep up. |

#### SECTION 7. HANDLING AND STORAGE

- |                         |                                       |
|-------------------------|---------------------------------------|
| Local/Total ventilation | : Use only with adequate ventilation. |
| Advice on safe handling | : Wear personal protective equipment. |

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Do not get on skin or clothing.  
Keep away from heat and flame.

Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Store in original container.

Materials to avoid : Do not store together with oxidizing and self-igniting products.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

| Components   | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis    |
|--------------|---------|-------------------------------|--|----------|
| nitromethane | 75-52-5 | TWA                           | 20 ppm   | ACGIH    |
|              |         | TWA                           | 100 ppm<br>250 mg/m3                           | OSHA Z-1 |
|              |         | TWA                           | 100 ppm<br>250 mg/m3                           | OSHA P0  |
|              |         | PEL                           | 2 ppm<br>5 mg/m3                               | CAL PEL  |
| butanone     | 78-93-3 | TWA                           | 200 ppm  | ACGIH    |
|              |         | STEL                          | 300 ppm  | ACGIH    |
|              |         | TWA                           | 200 ppm<br>590 mg/m3                           | OSHA Z-1 |
|              |         | TWA                           | 200 ppm<br>590 mg/m3                           | OSHA P0  |
|              |         | STEL                          | 300 ppm<br>885 mg/m3                           | OSHA P0  |
|              |         | PEL                           | 200 ppm<br>590 mg/m3                           | CAL PEL  |
|              |         | STEL                          | 300 ppm<br>885 mg/m3                           | CAL PEL  |

**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Combined particulates and organic vapor type

Hand protection  
Material : Impervious gloves

Eye protection : Tightly fitting safety goggles  
Ensure that eyewash stations and safety showers are close to the workstation location.

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|                          |   |
|--------------------------|---|
| Skin and body protection | : Long sleeved clothing<br>Preventive skin protection |
| Protective measures      | : Avoid contact with skin.                            |
| Hygiene measures         | : Avoid contact with skin, eyes and clothing.         |

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |
|--|--|
| Appearance                             | : liquid                                     |
| Color                                  | : Clear to light yellow                      |
| Odor                                   | : characteristic                             |
| Odor Threshold                         | : No data available                          |
| Melting point/freezing point           | : not determined                             |
| Boiling point/boiling range            | : not determined                             |
| Evaporation rate                       | : not determined                             |
| Flammability (solid, gas)              | : Not classified as a flammability hazard    |
| Upper explosion limit                  | : Upper flammability limit<br>not determined |
| Lower explosion limit                  | : Lower flammability limit<br>not determined |
| Density                                | : 1.05 g/cm <sup>3</sup>                     |
| Solubility(ies)                        |  |
| Water solubility                       | : not determined                             |
| Partition coefficient: n-octanol/water | : No data available                          |
| Autoignition temperature               | : not determined                             |
| Viscosity                              |  |
| Viscosity, kinematic                   | : not determined                             |

#### SECTION 10. STABILITY AND REACTIVITY

|                                  |   |
|----------------------------------|---|
| Chemical stability               | : The product is chemically stable.                   |
| Hazardous decomposition products | : Nitrogen oxides (NO <sub>x</sub> )<br>Sulfur oxides |

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

##### Product:

|                     |  |
|---------------------|--|
| Acute oral toxicity | : Acute toxicity estimate : 645.67 mg/kg |
|---------------------|--|

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Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 14.2 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method

**Components:**

**nitromethane:**

Acute inhalation toxicity : LC50 Rat: 6 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

**Aspiration toxicity**

No data available

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## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

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**Mobility in soil**

No data available

**Other adverse effects**

No data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : Do not dispose of together with household waste.  
Do not dispose of waste into sewer.  
To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended, as industry best practice. Consult state, local or provincial authorities for more restrictive requirements.

**SECTION 14. TRANSPORT INFORMATION**

**Special precautions for user**

Not applicable

**Domestic regulation**

**49 CFR**

UN/ID/NA number : 1993  
 Proper shipping name : Flammable liquids, n.o.s.  
 (NITROMETHANE, 2-BUTANONE)  
 Class : 3  
 Packing group : II  
 Labels : 3  
 ERG Code : 128  
 Marine pollutant : no

**International Regulations**

**IATA-DGR**

UN/ID No. : 1993  
 Proper shipping name : Flammable liquid, n.o.s.  
 (NITROMETHANE, 2-BUTANONE)  
 Class : 3  
 Packing group : II  
 Labels : 3  
 Packing instruction (cargo aircraft) : 364  
 Packing instruction : 353

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(passenger aircraft)

**IMDG-Code**

|                      |   |  |
|----------------------|---|--|
| UN number            | : | 1993   |
| Proper shipping name | : | FLAMMABLE LIQUID, N.O.S.<br>(NITROMETHANE, 2-BUTANONE) |
| Class                | : | 3  |
| Packing group        | : | II   |
| Labels               | : | 3  |
| EmS Code             | : | F-E, <u>S-E</u>  |
| Marine pollutant     | : | no   |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

#### SECTION 15. REGULATORY INFORMATION

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Acute toxicity (any route of exposure)  
Serious eye damage or eye irritation  
Carcinogenicity  
Reproductive toxicity  
Specific target organ toxicity (single or repeated exposure)

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

|              |         |
|--------------|---------|
| nitromethane | 75-52-5 |
|--------------|---------|

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

**US State Regulations**

**California Prop 65** Please contact Supplier for more information.

**The ingredients of this product are reported in the following inventories:**

|              |  |
|--------------|--|
| <b>TSCA</b>  | All substances listed as active on the TSCA inventory  |
| <b>DSL</b>   | All components of this product are on the Canadian DSL |
| <b>AICS</b>  | On the inventory, or in compliance with the inventory  |
| <b>ENCS</b>  | On the inventory, or in compliance with the inventory  |
| <b>KECI</b>  | On the inventory, or in compliance with the inventory  |
| <b>PICCS</b> | On the inventory, or in compliance with the inventory  |
| <b>IECSC</b> | On the inventory, or in compliance with the inventory  |



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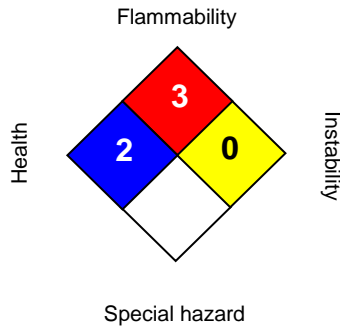
**Inventories Legend** TSCA (USA), DSL (Canada), REACH(Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

**SECTION 16. OTHER INFORMATION**

Prepared by: Global Regulatory Department - phone: 1-651-236-5842 - email: msds.request@hbfuller.com

**Further information**

**NFPA:**



**HMIS III:**

|                        |           |
|------------------------|-----------|
| <b>HEALTH</b>          | <b>2*</b> |
| <b>FLAMMABILITY</b>    | <b>3</b>  |
| <b>PHYSICAL HAZARD</b> | <b>0</b>  |

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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