



# SAFETY DATA SHEET

Revision Date 22-Jun-2020

Version 5

## 1. IDENTIFICATION

### Product identifier

**Product Name** 133MA ANTI-SEIZE LUBRICANT 8.5 OZ

### Other means of identification

**Product Code** 81464

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

**Recommended Use** Flammable Aerosol Lubricant

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ITW Permatex  
6875 Parkland Blvd.  
Solon, Ohio 44139 USA  
Telephone: 1-87-Permatex  
(866) 732-9502

#### 24-hour emergency phone number

Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003453

#### May Also Be Distributed by:

ITW Permatex Canada  
101-2360 Bristol Circle  
Oakville, ON Canada L6H 6M5  
Telephone: (800) 924-6994

**E-mail address:** mail@permatex.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|  |                |
|--|----------------|
| Serious eye damage/eye irritation                | Category 2A    |
| Germ cell mutagenicity                           | Category 1B    |
| Carcinogenicity                                  | Category 1B    |
| Specific target organ toxicity (single exposure) | Category 3     |
| Aspiration toxicity                              | Category 1     |
| Gases under pressure                             | Compressed gas |
| Flammable liquids                                | Category 2     |

### Label elements

#### Emergency Overview

#### Signal word

**Danger**

Causes serious eye irritation  
May cause genetic defects  
May cause cancer

May cause respiratory irritation  
 May cause drowsiness or dizziness  
 May be fatal if swallowed and enters airways  
 Contains gas under pressure; may explode if heated



**Appearance** Gray

**Physical state** Liquid Flammable Aerosol

**Odor** Solvent

#### Precautionary Statements - Prevention

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear eye/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area

#### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting

#### Precautionary Statements - Storage

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Other Information

May be harmful if swallowed. Causes mild skin irritation. Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                              | CAS No     | Weight-% |
|--|------------|----------|
| ACETONE                                    | 67-64-1    | 15 - 40  |
| NAPHTHA (PETROLEUM),<br>HYDROTREATED LIGHT | 64742-49-0 | 10 - 30  |

|                  |           |        |
|------------------|-----------|--------|
| GRAPHITE         | 7782-42-5 | 7 - 13 |
| CALCIUM OXIDE    | 1305-78-8 | 7 - 13 |
| ALUMINIUM POWDER | 7429-90-5 | 5 - 10 |
| HEPTANE          | 142-82-5  | 5 - 10 |
| CARBON DIOXIDE   | 124-38-9  | 5 - 10 |

#### 4. FIRST AID MEASURES

##### Description of first aid measures

|   |  |
|---|--|
| <b>General advice</b>                     | Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.   |
| <b>Eye contact</b>                        | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| <b>Skin contact</b>                       | In case of contact with liquefied gas, thaw frosted parts with lukewarm water.   |
| <b>Inhalation</b>                         | Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.  |
| <b>Ingestion</b>                          | IF SWALLOWED: Call a physician or poison control center immediately. Do NOT induce vomiting.   |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.  |

##### Most important symptoms and effects, both acute and delayed

**Symptoms** See section 2 for more information.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Keep victim warm and quiet.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Use extinguishing agent suitable for type of surrounding fire, Dry chemical or CO<sub>2</sub>, Water spray, fog or regular foam, Move containers from fire area if you can do it without risk, Damaged cylinders should be handled only by specialists

##### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire

##### Specific hazards arising from the chemical

Some may burn but none ignite readily. Ruptured cylinders may rocket.

##### Explosion data

**Sensitivity to Mechanical Impact** None.  
**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Do not touch or walk through spilled material. Stop leak if you can do it without risk.

**Other Information** Ventilate the area.

### Environmental precautions

**Environmental precautions** Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for containment** If possible, turn leaking containers so that gas escapes rather than liquid. Allow substance to evaporate.

**Methods for cleaning up** Do not direct water at spill or source of leak.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. Take precautionary measures against static discharges. Do not puncture or incinerate cans. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Contents under pressure. Do not stick pin or any other sharp object into opening on top of can.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials** Strong oxidizing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name         | ACGIH TLV   | OSHA PEL  | NIOSH IDLH   |
|-----------------------|---|---|--|
| ACETONE<br>67-64-1    | STEL: 500 ppm<br>TWA: 250 ppm   | TWA: 1000 ppm<br>TWA: 2400 mg/m <sup>3</sup><br>(vacated) TWA: 750 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup><br>(vacated) STEL: 2400 mg/m <sup>3</sup><br>The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.<br>(vacated) STEL: 1000 ppm                          | IDLH: 2500 ppm<br>TWA: 250 ppm<br>TWA: 590 mg/m <sup>3</sup>                       |
| GRAPHITE<br>7782-42-5 | TWA: 2 mg/m <sup>3</sup> respirable particulate matter all forms except graphite fibers | TWA: 15 mg/m <sup>3</sup> total dust synthetic<br>TWA: 5 mg/m <sup>3</sup> respirable fraction synthetic<br>(vacated) TWA: 2.5 mg/m <sup>3</sup> respirable dust natural<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust synthetic<br>(vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction synthetic<br>TWA: 15 mppcf natural | IDLH: 1250 mg/m <sup>3</sup><br>TWA: 2.5 mg/m <sup>3</sup> natural respirable dust |

|                               |  |   |   |
|-------------------------------|--|---|---|
| CALCIUM OXIDE<br>1305-78-8    | TWA: 2 mg/m <sup>3</sup>                               | TWA: 5 mg/m <sup>3</sup><br>(vacated) TWA: 5 mg/m <sup>3</sup> not in effect as a result of reconsideration   | IDLH: 25 mg/m <sup>3</sup><br>TWA: 2 mg/m <sup>3</sup>  |
| ALUMINIUM POWDER<br>7429-90-5 | TWA: 1 mg/m <sup>3</sup> respirable particulate matter | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 5 mg/m <sup>3</sup> Al Aluminum | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust<br>TWA: 5 mg/m <sup>3</sup> Al                 |
| HEPTANE<br>142-82-5           | STEL: 500 ppm<br>TWA: 400 ppm                          | TWA: 500 ppm<br>TWA: 2000 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 1600 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 2000 mg/m <sup>3</sup>   | IDLH: 750 ppm<br>Ceiling: 440 ppm 15 min<br>Ceiling: 1800 mg/m <sup>3</sup> 15 min<br>TWA: 85 ppm<br>TWA: 350 mg/m <sup>3</sup> |
| CARBON DIOXIDE<br>124-38-9    | STEL: 30000 ppm<br>TWA: 5000 ppm                       | TWA: 5000 ppm<br>TWA: 9000 mg/m <sup>3</sup><br>(vacated) TWA: 10000 ppm<br>(vacated) TWA: 18000 mg/m <sup>3</sup><br>(vacated) STEL: 30000 ppm<br>(vacated) STEL: 54000 mg/m <sup>3</sup>  | IDLH: 40000 ppm<br>TWA: 5000 ppm<br>TWA: 9000 mg/m <sup>3</sup><br>STEL: 30000 ppm<br>STEL: 54000 mg/m <sup>3</sup>             |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

#### Appropriate engineering controls

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.

**Respiratory protection** Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Physical state** Liquid Flammable Aerosol  
**Appearance** Gray  
**Odor** Solvent  
**Odor threshold** No information available

| <u>Property</u>                | <u>Values</u>            |
|--------------------------------|--------------------------|
| pH                             | No information available |
| Melting point / freezing point | No information available |
| Boiling point / boiling range  | No information available |
| Flash point                    | < -18 °C / < 0 °F        |
| Evaporation rate               | No information available |
| Flammability (solid, gas)      | No information available |
| Flammability Limit in Air      |                          |
| Upper flammability limit:      | No information available |
| Lower flammability limit:      | No information available |

#### Remarks • Method

Gives a flame projection at full valve opening or flashback at any degree of valve opening

|                           |                          |         |
|---------------------------|--------------------------|---------|
| Vapor pressure            | No information available |         |
| Vapor density             | >1                       | Air = 1 |
| Relative density          | 0.885-0.905              |         |
| Water solubility          | Insoluble in water       |         |
| Solubility(ies)           | No information available |         |
| Partition coefficient     | No information available |         |
| Autoignition temperature  | No information available |         |
| Decomposition temperature | No information available |         |
| Kinematic viscosity       | No information available |         |
| Dynamic viscosity         | No information available |         |
| Explosive properties      | No information available |         |
| Oxidizing properties      | No information available |         |

**Other Information**

|  |                          |
|--|--------------------------|
| Softening point                                    | No information available |
| Molecular weight                                   | No information available |
| VOC content  | 24.5%                    |
| Density  | No information available |
| Bulk density                                       | No information available |
| SADT (self-accelerating decomposition temperature) | No information available |

## 10. STABILITY AND REACTIVITY

**Reactivity**

No information available

**Chemical stability**

Stable under normal conditions

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong oxidizing agents

**Hazardous Decomposition Products**Carbon oxides  
Copper compounds

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause irritation of respiratory tract. May cause drowsiness or dizziness.      |
| <b>Eye contact</b>  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes. |
| <b>Skin contact</b> | May cause skin irritation and/or dermatitis.                                       |
| <b>Ingestion</b>    | Ingestion may cause irritation to mucous membranes.                                |

| Chemical Name  | Oral LD50            | Dermal LD50              | Inhalation LC50                       |
|--|----------------------|--------------------------|---------------------------------------|
| ACETONE<br>67-64-1                                       | = 5800 mg/kg ( Rat ) | > 15700 mg/kg ( Rabbit ) | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h |
| NAPHTHA (PETROLEUM),<br>HYDROTREATED LIGHT<br>64742-49-0 | > 5000 mg/kg ( Rat ) | > 3160 mg/kg ( Rabbit )  | = 73680 ppm ( Rat ) 4 h               |
| GRAPHITE   | -                    | -                        | > 2000 mg/m <sup>3</sup> ( Rat ) 4 h  |

|                            |                     |                         |                                    |
|----------------------------|---------------------|-------------------------|------------------------------------|
| 7782-42-5                  |                     |                         |                                    |
| CALCIUM OXIDE<br>1305-78-8 | = 500 mg/kg ( Rat ) | -                       | -                                  |
| HEPTANE<br>142-82-5        | -                   | = 3000 mg/kg ( Rabbit ) | = 103 g/m <sup>3</sup> ( Rat ) 4 h |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Target Organ Effects** Central nervous system, Central Vascular System (CVS), Eyes, Respiratory system, Skin.

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 2707 mg/kg

ATEmix (dermal) 8141 mg/kg

ATEmix (inhalation-dust/mist) 186 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

3 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

| Chemical Name       | Partition coefficient |
|---------------------|-----------------------|
| ACETONE<br>67-64-1  | -0.24                 |
| HEPTANE<br>142-82-5 | 4.66                  |

**Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging** Do not reuse container.

US EPA Waste Number D001, U002

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                 | California Hazardous Waste Status |
|-------------------------------|-----------------------------------|
| ACETONE<br>67-64-1            | Ignitable                         |
| CALCIUM OXIDE<br>1305-78-8    | Corrosive                         |
| ALUMINIUM POWDER<br>7429-90-5 | Ignitable powder                  |
| HEPTANE<br>142-82-5           | Toxic<br>Ignitable                |

#### 14. TRANSPORT INFORMATION

**DOT**

UN/ID No 1950  
 Proper shipping name Aerosols, Limited Quantity (LQ)  
 Hazard Class 2.1  
 Emergency Response Guide Number 126

**IATA**

UN/ID No ID 8000  
 Proper shipping name Consumer commodity  
 Hazard Class 9  
 ERG Code 9L

**IMDG**

UN/ID No 1950  
 Proper shipping name Aerosols, Limited Quantity (LQ)  
 Hazard Class 2.1  
 EmS-No F-D, S-U

#### 15. REGULATORY INFORMATION

**International Inventories**

TSCA Complies  
 DSL/NDSL Complies  
 EINECS/ELINCS Complies  
 ENCS Does not comply  
 IECS Complies  
 KECL Complies  
 PICCS Complies  
 AICS Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECS - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**



**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                | SARA 313 - Threshold Values % |
|------------------------------|-------------------------------|
| ALUMINIUM POWDER - 7429-90-5 | 1.0                           |

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire hazard                       | Yes |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name      | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|--------------------|--------------------------|----------------|--|
| ACETONE<br>67-64-1 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| Chemical Name                 | New Jersey | Massachusetts | Pennsylvania |
|-------------------------------|------------|---------------|--------------|
| ACETONE<br>67-64-1            | X          | X             | X            |
| CALCIUM OXIDE<br>1305-78-8    | X          | X             | X            |
| GRAPHITE<br>7782-42-5         | X          | X             | X            |
| ALUMINIUM POWDER<br>7429-90-5 | X          | X             | X            |
| HEPTANE<br>142-82-5           | X          | X             | X            |
| CARBON DIOXIDE<br>124-38-9    | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**WHMIS Hazard Class**

A Compressed gases, B5 - Flammable aerosol, D2B - Toxic materials

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|             |                  |                |                    |                       |
|-------------|------------------|----------------|--------------------|-----------------------|
| <b>NFPA</b> | Health hazards 2 | Flammability 4 | Instability 0      | -                     |
| <b>HMIS</b> | Health hazards 2 | Flammability 4 | Physical hazards 0 | Personal protection B |

NFPA (National Fire Protection Association)  
HMIS (Hazardous Material Information System)

Revision Date 22-Jun-2020

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**End of Safety Data Sheet**