

# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Name:** MAG 1 NON-CHLORINATED BRAKE CLEANER  
**Product Code:** MG750409

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use:** Not applicable  
**Recommended restrictions:** CA, NH (1/1/2015), UT (9/1/2014)

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

**Manufacturer:** Warren Distribution, Inc.  
 727 S. 13th Street  
 Omaha, NE 68102  
**Information Phone:** +01 (800) 825-1235 +01 (402) 341-9397  
**E-mail:** sds@wd-wpp.com

### 1.4. Emergency telephone number

**Emergency phone number:** CHEMTREC: +1 (800) 424-9300  
 International: +01 (703) 527-3887

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Skin Corrosion/Irritation Category 2  
 Serious Eye Damage/Eye Irritation Category 2  
 Hazardous to the aquatic environment - Acute Category 2  
 Hazardous to the aquatic environment - Chronic Category 4

### 2.2. Label elements

#### GHS Hazard Symbols



#### Signal Word

Warning

#### Hazard Statements

H315 - Causes skin irritation.  
 H319 - Causes serious eye irritation.  
 H401 - Toxic to aquatic life..  
 H413 - May cause long lasting harmful effects to aquatic life.

#### Precautionary Statements

##### Prevention

P264 - Wash exposed areas thoroughly after handling.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

##### Response

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321 - Specific treatment (see section 4).

##### Disposal

P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.  
 P362 - Take off contaminated clothing and wash before reuse.  
 P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

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## 2.3. Other hazards

**Hazards not otherwise classified:** No data available.

**Unknown acute toxicity (GHS-US)**

## SECTION 3: Composition/information on ingredients

Chemical Name	%	CAS #	GHS Classification
Acetone	30 - 60	67-64-1	Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H335, H336
Heptane	15 - 40	142-82-5	Aquatic Chronic 4; H413 Asp. Tox. 1; H304 Flam. Liq. 1; H224 Skin Irrit. 2; H315 STOT SE 3; H335, H336
Carbon dioxide	3 - 7	124-38-9	Press. Gas (*); H280
Isopropanol	1 - 5	67-63-0	Acute Tox. 4; H332 Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H335, H336

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.
<b>Eyes</b>	Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
<b>Skin Contact</b>	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
<b>Ingestion</b>	Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

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

**Symptoms** Severe pulmonary irritation

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

**Note to Doctor** No additional first aid information available.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable and Unsuitable Extinguishing Media:

Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

### 5.2. Special hazards arising from the substance or mixture

#### Fire and/or Explosion Hazards

Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back

### 5.3. Advice for firefighters

#### Fire Fighting Methods and Protection

Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

#### Hazardous Combustion Products

Use methods for the surrounding fire.  
Carbon dioxide, Carbon monoxide

## SECTION 6: Accidental release measures

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

**General Measures:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

### 6.2. Environmental precautions

No data available.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so.

Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

### 6.4. Reference to other sections

Follow all protective equipment recommendations provided in Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer. Use spark-proof tools and explosion-proof equipment

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed.

### Incompatible materials

See Section 10.

### 7.3. Specific end use(s)

Not applicable

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Chemical Name

Acetone

#### Occupational Exposure Limits

OSHA PEL

#### Value

1000 ppm TWA; 2400 mg/m<sup>3</sup> TWA

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Chemical Name	Occupational Exposure Limits	Value
Heptane	OSHA PEL	500 ppm TWA; 2000 mg/m <sup>3</sup> TWA
Carbon dioxide	OSHA PEL	5000 ppm TWA; 9000 mg/m <sup>3</sup> TWA
Isopropyl alcohol	OSHA PEL	400 ppm TWA; 980 mg/m <sup>3</sup> TWA
Carbon dioxide	OSHA STEL	30000 ppm STEL; 54000 mg/m <sup>3</sup> STEL
Isopropyl alcohol	OSHA STEL	500 ppm STEL; 1225 mg/m <sup>3</sup> STEL
Acetone	ACGIH TLV-TWA	500 ppm TWA
n-Heptane	ACGIH TLV-TWA	400 ppm TWA (listed under Heptane, all isomers)
Carbon dioxide	ACGIH TLV-TWA	5000 ppm TWA
2-Propanol	ACGIH TLV-TWA	200 ppm TWA
Acetone	ACGIH STEL	750 ppm STEL
n-Heptane	ACGIH STEL	500 ppm STEL (listed under Heptane, all isomers)
Carbon dioxide	ACGIH STEL	30000 ppm STEL
2-Propanol	ACGIH STEL	400 ppm STEL
Acetone	IDLH	2500 ppm IDLH (10% LEL)
n-Heptane	IDLH	750 ppm IDLH
Carbon dioxide	IDLH	40000 ppm IDLH
Isopropyl alcohol	IDLH	2000 ppm IDLH (10% LEL)
None.	OSHA PEL-Skin Notation	

### 8.2. Exposure controls

#### Engineering Measures

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

#### Respiratory Protection

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

#### Respirator Type(s)

If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

#### Eye Protection

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

#### Skin Protection

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

#### Gloves

Nitrile, Polyvinylalcohol

## SECTION 9: Physical and chemical properties

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

Color	Colorless
Odor	Not determined
Odor threshold	Not determined
pH	Not determined
Freezing point	Not determined
Boiling Point	56
Flash Point Method	Not determined
Evaporation Rate	2-10 (n-Butyl acetate = 1)
Upper Flammable/Explosive Limit, % in air	13 (air = 1)
Lower Flammable/Explosive Limit, % in air	1.2 (air = 1)

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## SECTION 9: Physical and chemical properties

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

Flammability (solid, gas)	Not applicable
Vapor pressure	Not determined
Vapor Density	2.07
Relative Density	0.77
Solubility in Water	Low; 10-49%
Octanol/Water Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined

### 9.2. Other information

Volatiles, % by weight	0.000000
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## SECTION 10: Stability and reactivity

10.1. Reactivity	No data available.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4. Conditions to avoid	Sparks, open flame, other ignition sources, and elevated temperatures.
10.5. Incompatible materials	Strong oxidizing agents
10.6. Hazardous decomposition products	Carbon dioxide, Carbon monoxide

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Ingestion Toxicity	Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death. Likely to be practically non-toxic by ingestion based on animal data.
Skin Contact	This material is likely to be moderately irritating to skin based on animal data. Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Absorption	Likely to be practically non-toxic based on animal data.
Inhalation Toxicity	No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.
Eye Contact	This material is likely to be severely irritating to eyes based on animal data. Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.
Sensitization	Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Carcinogenicity	Contains a substance that is a possible cancer hazard based on high dose animal studies and/or a human study.
Reproductive and Developmental Toxicity	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Specific target organ toxicity-Single exposure	Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.
Specific target organ toxicity-Repeated exposure	Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.
Long-Term (Chronic) Health Effects	Severe pulmonary irritation
Aspiration toxicity	Non-hazardous under Aspiration category.
Other information	No data available.

### Agents Classified by IARC Monographs

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Not applicable IARC Group 1  
Not applicable IARC Group 2A  
Not applicable IARC Group 2B

## National Toxicity Program (NTP) Status

Not applicable Known Human Carcinogen  
Not applicable Reasonably Anticipated To Be A Human Carcinogen

## SECTION 12: Ecological information

### 12.1. Toxicity

**Acute Aquatic ecotoxicity:** Non-hazardous under Aquatic Acute Environment category.

**Chronic Aquatic ecotoxicity:** H413 - May cause long lasting harmful effects to aquatic life.

### 12.2. Persistence and degradability

Biodegrades quickly.

### 12.3. Bioaccumulative potential

Bioconcentration may occur.

### 12.4. Mobility in soil

This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

### 12.5. Results of PBT and vPvB assessment

No data available.

### 12.6. Other adverse effects

Not determined

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal Methods

Dispose of by incineration following Federal, State, Local, or Provincial regulations.

#### Waste Disposal Code(s)

D001

#### Waste Description for Spent Product

Spent or discarded material is a hazardous waste.

#### Contaminated packaging:

## SECTION 14: Transport information

**DOT Basic Description** UN1950, AEROSOLS, 2.1, LTD QTY

#### IMDG

**Proper Shipping Name:** AEROSOLS

**UN Number:** UN1950

**Hazard Class:** 2.1

**Exception:** LTD QTY

**EMS#** F-D,S-U

#### IATA

**Proper Shipping Name:** AEROSOLS, FLAMMABLE

**UN Number:** UN1950

**Hazard Class:** 2.1

**Exception:** LTD QTY

## SECTION 15: Regulatory information

### Chemical Inventories

**TSCA Status** All components of this material are on the US TSCA Inventory or are exempt.

**U.S. State Restrictions:** CA, NH (1/1/2015), UT (9/1/2014)

**WHMIS:** B2, D2B

Chemical Name	Regulation	CAS #	%
Acetone	CERCLA	67-64-1	30 - 60
Isopropyl alcohol	SARA 313	67-63-0	1 - 5

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Chemical Name	Regulation	CAS #	%
None.	SARA EHS		
Heptane (n-)	TSCA 12b	142-82-5	15 - 40

## U.S. State Regulations

Chemical Name	Regulation	CAS #	%
None.	California Prop 65- Cancer		
None.	California Prop 65- Dev. Toxicity		
None.	California Prop 65- Reprod -fem		
None.	California Prop 65- Reprod-male		
Acetone	Massachusetts RTK List	67-64-1	30 - 60
Heptane	Massachusetts RTK List	142-82-5	15 - 40
Carbon dioxide	Massachusetts RTK List	124-38-9	3 - 7
Isopropyl alcohol	Massachusetts RTK List	67-63-0	1 - 5
Acetone	New Jersey RTK List	67-64-1	30 - 60
n-Heptane	New Jersey RTK List	142-82-5	15 - 40
Carbon dioxide	New Jersey RTK List	124-38-9	3 - 7
Isopropyl alcohol	New Jersey RTK List	67-63-0	1 - 5
2-Propanone	Pennsylvania RTK List	67-64-1	30 - 60
Heptane	Pennsylvania RTK List	142-82-5	15 - 40
Carbon dioxide	Pennsylvania RTK List	124-38-9	3 - 7
2-Propanol	Pennsylvania RTK List	67-63-0	1 - 5
None.	Rhode Island RTK List		
Acetone	Minnesota Hazardous Substance List	67-64-1	30 - 60
Heptane (n-)	Minnesota Hazardous Substance List	142-82-5	15 - 40
Carbon dioxide	Minnesota Hazardous Substance List	124-38-9	3 - 7
Isopropyl alcohol	Minnesota Hazardous Substance List	67-63-0	1 - 5

### HMIS Ratings:

Health: 2  
Fire: 4  
Reactivity: 0  
PPE: B

### NFPA Ratings:

Health: 2  
Fire: 4  
Reactivity: 0

KEY: 0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

## **SECTION 16: Other information**

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**Supersedes:** 8/27/2014 7:37:23 PM  
**References** ACGIH: American Conference of Governmental Industrial Hygienists  
 AIHA: American Industrial Hygiene Association  
 CFR: Code of Federal Regulations  
 DOT: United States Department of Transportation  
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
 HMIS: Hazardous Materials Identification System  
 IARC: International Agency for Research on Cancer  
 IATA: International Air Transportation Association  
 IDLH: Immediately Dangerous to Life or Health

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## SECTION 16: Other information

IMDG: International Maritime Dangerous Goods  
NFPA: National Fire Protection Association  
NIOSH: National Institute for Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
RTK: Right-to-Know  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short-term Exposure Limit  
TLV: Threshold limit value  
TSCA: Toxic Substances Control Act  
TWA: Time weighted average  
UN: United Nations  
WHMIS: Workplace Hazardous Materials Information System

### Disclaimer

This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.