# SAFETY DATA SHEET

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

**1.1. Product identifier**

**Product Name:** **MAG 1 N/C CARB CLEANER**
**Product Code:** MG750414

**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**

Flammable Aerosol Category 1
Germ Cell Mutagenicity Category 1B
Carcinogenicity Category 1B
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** Danger

**Hazard Statements**
Extremely flammable aerosol.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H340 - May cause genetic defects..
H350 - May cause cancer.
H401 - Toxic to aquatic life..
H413 - May cause long lasting harmful effects to aquatic life.

**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.
P211 - Do not spray on an open flame or other ignition source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P264 - Wash exposed areas thoroughly after handling.
P273 - Avoid release to the environment.

| | |
|---|---|
| | P280 - Wear protective gloves/protective clothing/eye protection/face protection.<br>P281 - Use personal protective equipment as required. |
| **Response** | P302+P352 - IF ON SKIN: Wash with plenty of soap and water.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+P313 - IF exposed or concerned: Get medical advice/attention.<br>P321 - Specific treatment (see section 4).<br>P332+P313 - If skin irritation occurs: Get medical advice/attention.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P362 - Take off contaminated clothing and wash before reuse. |
| **Storage** | P405 - Store locked up.<br>Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F. |
| **Disposal** | P501- Dispose of contents/container in accordance with local/regional/national/international regulations. |

**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<br>Flam. Liq. 2; H225<br>STOT SE 3; H335, H336 |
| Heptane | 10 - 30 | 142-82-5 | Aquatic Chronic 4; H413<br>Asp. Tox. 1; H304<br>Flam. Liq. 1; H224<br>Skin Irrit. 2; H315<br>STOT SE 3; H335, H336 |
| Light aromatic solvent naphtha | 10 - 30 | 64742-95-6 | Asp. Tox. 1; H304<br>Acute Tox. 4; H332<br>Acute Tox. 4; H332<br>Carc. 1A; H350<br>Flam. Liq. 1; H224<br>Muta. 1B; H340 |
| Carbon dioxide | 5 - 10 | 124-38-9 | Press. Gas (*); H280 |
| Isopropanol | 1 - 5 | 67-63-0 | Acute Tox. 4; H332<br>Eye Irrit. 2; H319<br>Flam. Liq. 2; H225<br>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**

| | |
|---|---|
| **Inhalation** | 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 and get medical attention immediately. |
| **Eyes** | 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. |
| **Skin Contact** | Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. |
| **Ingestion** | 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

## SECTION 4: First aid measures

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

| | |
|---|---|
| **Note to Doctor** | Aspiration during swallowing or vomiting may severely damage the lungs. |

## 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.<br>Use methods for the surrounding fire. |
| **Hazardous Combustion Products** | 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 | Occupational Exposure Limits | Value |
|---|---|---|
| Acetone | OSHA PEL | 1000 ppm TWA; 2400 mg/m3 TWA |
| Heptane | OSHA PEL | 500 ppm TWA; 2000 mg/m3 TWA |
| Carbon dioxide | OSHA PEL | 5000 ppm TWA; 9000 mg/m3 TWA |
| Isopropyl alcohol | OSHA PEL | 400 ppm TWA; 980 mg/m3 TWA |
| Carbon dioxide | OSHA STEL | 30000 ppm STEL; 54000 mg/m3 STEL |
| Isopropyl alcohol | OSHA STEL | 500 ppm STEL; 1225 mg/m3 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 will be required when handling this product. Use respirators only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. |
| **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** | Not determined |
| **Upper Flammable/Explosive Limit, % in air** | 13 (air = 1) |
| **Lower Flammable/Explosive Limit, % in air** | 1 (air = 1) |
| **Flammability (solid, gas)** | Not applicable |

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## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Vapor pressure** | Not determined |
| **Vapor Density** | 2.07 |
| **Relative Density** | 0.78 |
| **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 |

## 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**

| | |
|---|---|
| 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 |
| None. | SARA EHS | | |

| Chemical Name | Regulation | CAS # | % |
|---|---|---|---|
| Heptane (n-) | TSCA 12b | 142-82-5 | 10 - 30 |

**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 | 10 - 30 |
| Carbon dioxide | Massachusetts RTK List | 124-38-9 | 5 - 10 |
| 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 | 10 - 30 |
| Carbon dioxide | New Jersey RTK List | 124-38-9 | 5 - 10 |
| 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 | 10 - 30 |
| Carbon dioxide | Pennsylvania RTK List | 124-38-9 | 5 - 10 |
| 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 | 10 - 30 |
| Carbon dioxide | Minnesota Hazardous Substance List | 124-38-9 | 5 - 10 |
| Isopropyl alcohol | Minnesota Hazardous Substance List | 67-63-0 | 1 - 5 |

| **HMIS Ratings:** | | **NFPA Ratings:** | |
|---|---|---|---|
| Health: | 2 | Health: | 2 |
| Fire: | 4 | Fire: | 4 |
| Reactivity: | 0 | Reactivity: | 0 |
| PPE: | B | | |

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

## SECTION 16: Other information

**Revision Date** 4/2/2015 3:32:16 AM
**Supersedes:** 9/16/2014 1:31:47 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
IMDG: International Maritime Dangerous Goods

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## SECTION 16: Other information

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**

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