

Safety Data Sheet

according to OSHA Hazard Communication 29 CFR Part 1910.1200

SECTION 1. Identification

Product Code(s): SO10005P, SO1000D5

Product Identifier: **Mag 1 Parts Cleaning Solvent**

Recommended Use: Parts Cleaning Solvent

Supplier: Warren Distribution, Inc.
950 S. 10th Street, Suite 300
Omaha, NE 68108-3296

Telephone: +01 (800) 825-1235
+01 (402) 341-9397

E-mail: sds@wd-wpp.com

24 hr. Emergency:

CHEMTREC: 1-800-424-9300

International: +1-703-527-3887

NOTE: CHEMTREC emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

SECTION 2. Hazard(s) Identification

***** EMERGENCY OVERVIEW ***:** Suspect cancer hazard. Flammable liquid and vapor. May be fatal if swallowed and enters airway.

GHS Classification

Asp. Tox. 1, Carc. 2, Eye Irrit. 2B, Flam. Liq. 3, Skin Irrit. 2, STOT RE 2, STOT SE 3 NE

Symbol(s) of Product



Signal Word

Danger

GHS HAZARD STATEMENTS

| | | |
|---------------------------------------|------|--|
| Aspiration Hazard, category 1 | H304 | May be fatal if swallowed and enters airways. |
| Carcinogenicity, category 2 | H351 | Suspected of causing cancer. |
| Eye Irritation, category 2B | H320 | Causes eye irritation |
| Flammable Liquid, category 3 | H226 | Flammable liquid and vapor. |
| STOT, repeated exposure, category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |
| STOT, single exposure, category 3, NE | H336 | May cause drowsiness or dizziness. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |

GHS PRECAUTIONARY STATEMENTS

| | |
|------|--|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| 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. |

| | |
|----------------|--|
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P264 | Wash thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician |
| P302+P352 | IF ON SKIN: Wash with plenty of water |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| 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. |
| P312 | Call a POISON CENTER/doctor/physician if you feel unwell. |
| P321 | Specific treatment (see first aid section on this label). |
| P331 | Do NOT induce vomiting. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P370+P378 | In case of fire: Use appropriate method to extinguish. |
| 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. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

SECTION 3. Composition/Information on Ingredients

| Chemical Name | CAS-No. | Wt. % | GHS Symbols | GHS Statements |
|------------------------|-----------|---------|------------------|----------------------------------|
| Petroleum hydrocarbons | 8052-41-3 | 75-100 | GHS02-GHS07GHS08 | H226-304-315-320-336-351-373 |
| 1,2,4 trimethylbenzene | 95-63-6 | 2.5-10 | GHS02-GHS07 | H226-315-319-332-335 |
| Xylene | 1330-20-7 | 2.5-10 | GHS02-GHS07GHS08 | H226-304-315-319-332-335-351-373 |
| Cumene | 98-82-8 | 1.0-2.5 | GHS02-GHS07GHS08 | H226-302-304-332-335-351 |
| Ethylbenzene | 100-41-4 | 0.1-1.0 | GHS02-GHS07GHS08 | H225-304-315-319-332-335-351-373 |
| Naphthalene | 91-20-3 | 0.1-1.0 | GHS07-GHS08 | H227-315-320-351 |

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

SECTION 4. First-Aid Measures



FIRST AID - EYE CONTACT: Remove contact lenses if worn. Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

FIRST AID - SKIN CONTACT: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately and clean shoes before reuse.

FIRST AID - INHALATION: Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

FIRST AID - INGESTION: Do not induce vomiting. Do not give liquids. Obtain emergency medical attention. Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone.

SECTION 5. Fire-Fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid and vapor. Vapors/dust may cause flash fire or explosion. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other

sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Closed container may explode under extreme heat.

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Water spray to cool containers or protect personnel. Use with caution. Avoid use of solid water streams. Do not use water jet (frothing possible).

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

SECTION 6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Use only noncombustible material for clean-up. Remove from surface by skimming or with suitable absorbents. Use clean, non-sparking tools to collect absorbed materials. Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Stay upwind of spill. Ventilate spill area. Collect spilled materials for disposal. Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) A vapor suppressing foam may be used to reduce vapors.

SECTION 7. Handling and Storage



HANDLING: Use only in a well ventilated area. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues. Avoid contact with eyes, skin, and clothing. Always open containers slowly to allow any excess pressure to vent. When transferring, follow proper grounding procedures. Use spark-resistant tools. Do not load into compartments adjacent to heated cargo. Material accumulates static charge (ignition source). Avoid breathing vapor, fumes or mist. If peroxide formation is suspected, do not open or move container. After opening, purge container with nitrogen before reclosing. Addition of water or appropriate reducing materials will lessen peroxide formation. Use explosion proof equipment.

STORAGE: Containers can build up pressure if exposed to heat (fire). Keep away from heat, sparks, and flame. Keep container closed when not in use. Protect from direct sunlight. Store containers in a cool, well ventilated place. Do not allow to evaporate to near dryness. Material is a static accumulator which has the potential of forming ignitable vapor-air mixtures in storage tanks.

SECTION 8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|------------------------|----------------------|-----------------------|---------------------|-------------------------|
| Petroleum hydrocarbons | 100 ppm | N.D. | 500 ppm | N.D. |
| 1,2,4 trimethylbenzene | 25 ppm | N.D. | 25 ppm | N.D. |
| Xylene | 100 ppm | 150 ppm | 100 ppm | N.D. |
| Cumene | 50 ppm | N.D. | N.D. | N.D. |
| Ethylbenzene | 100ppm | 125ppm | 100ppm | N.D. |
| Naphthalene | 10 ppm | 15 ppm | 10 ppm | 15 ppm |

Personal Protection



RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.



SKIN PROTECTION: Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed apron, suit, boots. Wear long sleeves when contact is likely to occur.



EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.



OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash

facility and a safety shower.



HYGENIC PRACTICES: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Avoid breathing vapors. Do not eat, drink, or smoke in areas where this material is used.

SECTION 9. Physical and Chemical Properties

| | | | |
|-----------------------------|--------------------------|---------------------------------|-----------|
| Appearance: | Clear liquid | Physical State: | Liquid |
| Odor: | Typical | Odor Threshold: | N.D. |
| Density, g/cm3: | 0.796 | pH: | N.D. |
| Freeze Point, °F: | N.D. | Viscosity: | N.D. |
| Solubility in Water: | Negligible | Explosive Limits, vol%: | 0.8 - 5.6 |
| Boiling Range, °F: | 315 - 425 | Flash Point, °F: | 111 |
| Evaporation Rate: | 0.16 (n-butyl acetate=1) | Auto-ignition Temp., °F: | N.D. |
| Vapor Density: | 4.7 (air=1) | Vapor Pressure: | N.D. |

(See "Other information" Section for abbreviation legend)

SECTION 10. Stability and Reactivity

STABILITY: No Information

CONDITIONS TO AVOID: Avoid impact, friction, heat, sparks, flame and source of ignition.

INCOMPATIBILITY: Keep away from acids. Prevent contact with strong oxidizing agents. Keep away from strong bases. Keep separate from alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed.

HAZARDOUS POLYMERIZATION: No Information

SECTION 11. Toxicological Information



Information on Toxicological Effects

Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Contact

EFFECTS OF OVEREXPOSURE - INHALATION: Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression). May cause dizziness and drowsiness. May cause central nervous system depression. Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness. Danger of serious damage to health by prolonged exposure through inhalation. Overexposure may cause upper respiratory tract irritation, headaches, cyanosis, blood serum changes, central nervous system damage and narcosis.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation. Symptoms may include stinging, tearing, redness and swelling.

EFFECTS OF OVEREXPOSURE - INGESTION: Irritating to mouth, throat, and stomach. May cause central nervous system depression. Ingestion and/or vomiting may cause aspiration into the lungs resulting in chemical pneumonitis (inflammation of the lungs). May cause nausea and vomiting. May cause pulmonary edema. May be fatal if swallowed and enters airway.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: May cause delayed lung damage. Suspect cancer hazard.

Overexposure may cause nervous system damage. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin, and/or eyes. The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. This product contains naphthalene. A National Toxicology Program (NTP) draft report states that lifetime inhalation exposure to naphthalene resulted in increases in tumors of the nose in rats. In a previous NTP study, lifetime inhalation exposure to naphthalene increased lung tumors in female mice. The relevance of the rodent findings to humans is questionable. May cause target organ damage. Small amounts of liquid aspirated

into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema. Very high exposure (confined spaces/abuse) to light hydrocarbons may result in abnormal heart rhythm.

Carcinogenicity

| CAS-No. | Name | IARC | NTP |
|-----------|---------------------|--|----------------------------|
| 8052-41-3 | | Petroleum hydrocarbons 3- Not classifiable as to its carcinogenicity to Not Listed humans. | |
| 95-63-6 | | 1,2,4 trimethylbenzene 3- Not classifiable as to its carcinogenicity to Not Listed humans. | |
| 1330-20-7 | Xylene | 3- Not classifiable as to its carcinogenicity to humans. | Not Listed |
| 98-82-8 | Cumene | 2B- Possibly carcinogenic to humans. | Suspected human carcinogen |
| 100-41-4 | Ethylbenzene | 2B- Possibly carcinogenic to humans. | Not Listed |
| | 91-20-3 Naphthalene | 2B- Possibly carcinogenic to humans. | Suspected human carcinogen |

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| CAS-No. | Name | Oral LD50, mg/kg | Dermal LD50, mg/kg | Vapor LC50, mg/L |
|-----------|------------------------|------------------|--------------------|------------------|
| 8052-41-3 | Petroleum hydrocarbons | >15000 | >3400 | >20 |
| 95-63-6 | 1,2,4 trimethylbenzene | 5000 | >5000 | 18 |
| 1330-20-7 | Xylene | >3500 | >4200 | >20 |
| 98-82-8 | Cumene | 1400 | 12300 | >20 |
| 100-41-4 | Ethylbenzene | 3500 | 15433 | >20 |
| 91-20-3 | Naphthalene | >2000 | >2500 | >20 |

SECTION 12. Ecological Information

ECOLOGICAL INFORMATION: No Information

SECTION 13. Disposal Considerations



For more guidance and information contact our Waste Services Division at (262) 658-4000.

Always dispose of any waste in accordance with all local, state, and federal regulations.

DISPOSAL METHOD: Dispose of waste in accordance with all local, state and federal regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Use only noncombustible material for clean-up. Remove from surface by skimming or with suitable absorbents. Use clean, non-sparking tools to collect absorbed materials. Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Stay upwind of spill. Ventilate spill area. Collect spilled materials for disposal. Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) A vapor suppressing foam may be used to reduce vapors.

SECTION 14. Transport Information

DOT Proper Shipping Name: Petroleum distillates, n.o.s. (naphtha solvent) - Combustible Liquid Packing Group: III

DOT Hazard Class: No Information Hazard SubClass: No Information
DOT UN/NA Number: UN1268 Resp. Guide Page: 128

SECTION 15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|------------------------|----------------|
| 1,2,4 trimethylbenzene | 95-63-6 |
| Xylene | 1330-20-7 |
| Cumene | 98-82-8 |
| Ethylbenzene | 100-41-4 |
| Naphthalene | 91-20-3 |

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Naphthalene | 91-20-3 |

U.S. State Regulations:**NEW JERSEY RIGHT-TO-KNOW:**

The following materials are non-hazardous, but are among the top five components in this product.

No NJ Right-To-Know components exist in this product.

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

No PA Right-To-Know components exist in this product.

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: The following ingredients present in the product are known to the state of California to cause Cancer.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Cumene | 98-82-8 |
| Ethylbenzene | 100-41-4 |
| Naphthalene | 91-20-3 |

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.

International Regulations: As follows -**CANADIAN WHMIS:**

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class: No Information

SECTION 16. Other Information

Revision Date: 11/21/2017

Supersedes Date: 9/13/2017

Datasheet produced by: EH&S - Regulatory Department

HMIS Ratings:

| | | | | | | | |
|----------------|---|----------------------|---|--------------------|---|-----------------------------|---|
| Health: | 1 | Flammability: | 2 | Reactivity: | 0 | Personal Protection: | X |
|----------------|---|----------------------|---|--------------------|---|-----------------------------|---|

Volatile Organic Compounds, gr/ltr: 794

DISCLAIMER: THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT REPORTED HEREIN, IF ANY, IS BASED ON A MATERIAL VOC CALCULATION. NOTE THAT SEVERAL METHODS ARE USED FOR CALCULATING VOC CONTENT AND THAT STANDARDS/ REQUIREMENTS REGARDING VOC CONTENT VARY BY LOCATION/JURISDICTION. ACCORDINGLY, EMCO MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS MATERIAL'S COMPLIANCE WITH VOC STANDARDS/ REQUIREMENTS APPLICABLE IN LOCATIONS/JURISDICTIONS WHERE THIS MATERIAL MAY BE SOLD OR USED.

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H227 Combustible liquid
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation. H320 Causes
eye irritation H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure. **Icons for GHS**

Pictograms shown in Section 3 describing each ingredient:

GHS02



GHS07



GHS08



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information on this SDS was obtained from sources which we believe to be reliable. However, the information provided is without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information and recommendations are offered for the user's consideration and examination and should be used to make an independent determination of the methods to safeguard workers and the environment. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For these reasons we do not assume responsibility and expressly disclaim any liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS may not be applicable. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.