



MATERIAL SAFETY DATA SHEET

IDENTITY (As used on label and list): **MAG 1 HEAVY DUTY ENGINE DEGREASER**

PRODUCT CODE: **MG720415**

NFPA Hazard Identification

0 – Least 1 – Slight 2 – Moderate 3 – High 4 – Extreme

Health: 1

Fire: 4

Reactivity: 0

Section I - General Information

Warren Distribution, Inc.

2849 River Road
Council Bluffs, IA 51501
Information (402) 341-9397

Emergency **(402) 677-1331**

Chemtrec

(800) 424-9300

Reviewed: **12/31/02**

Section II - Composition/Information on Ingredients

COMPONENT NAME {mmHg}	%	CAS	OSHA	ACGIH F	VP	PEL	TLV
Propane	3	74-98-6	1000 PPM	760.00			
2-Methylpropane	4	75-28-5	Not established	760.00			
Light Aromatic Hydrocarbons	5	64742-95-6	Not established	3.80			
Trimethylbenzene	7	108-67-8	25	25 PPM	10.00	1,2,4,	
Trimethylbenzene, 1,2,4-	10	95-63-6	25	25 PPM	2.03		
2-Butoxyethanol	2	111-76-2	25	25 PPM{skin}	0.60		

Section 313 Supplier Information

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-know Act of 1986 (40 CFR 372):

Xylene 1 1330-20-7 100 100 PPM 5.90 STEL 150 150 PPM
Cumene 1 98-82-8 50 50 PPM{skin} 10.00 1,3,5,

NON-HAZARDOUS INGREDIENTS

No IARC, NTP, OSHA and ACGIH listed carcinogens.

Section III - Hazards Identification

ROUTES OF EXPOSURE: Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE: Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possible death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None generally recognized.

Section IV - First Aid Procedures

EYE CONTACT: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN CONTACT: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before reusing.

INHALATION: Remove to fresh air, administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

INGESTION: DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Give several glasses of water. Seek medical attention.

CHRONIC HEALTH HAZARDS: No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section V - Fire and Explosion Hazard Data

Flash Point (deg F):	LEL	UEL
Propellant < 0 F	0.7	10.6

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, dry chemical

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode (due to the build up of pressure) when exposed to extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment including self contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat.

Section VI - Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.

Section VII - Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone; keep area ventilated; do not smoke, extinguish all flames, pilot lights, and heaters. Turn off stoves, electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat

from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. To not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

**Section VIII -
Exposure Controls/Personal Protection**

RESPIRATORY PROTECTION: None required under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

VENTILATION: Sufficient to prevent inhalation of solvent vapors; general dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit.

PROTECTIVE GLOVES: None under normal use. Solvent resistant required for prolonged or repeated contact.

EYE PROTECTION: None under normal use. However, use of safety glasses with splash guards or full face shield is recommended.

OTHER PROTECTIVE EQUIPMENT: None under normal use. Use of solvent resistant aprons or other clothing is recommended.

WORK PRACTICES/ENGINEERING CONTROLS: Eye washes and safety showers in the workplace are recommended.

PERSONAL HYGIENE Wash thoroughly contact areas after use.

Section IX- Physical/Chemical Characteristics

Boiling Point (deg F): <0 -360F Specific Gravity (H₂O=1): 0.90 Melting Point (deg F): n/a
Evaporation Rate: faster than ether Vapor Density (Air=1): Heavier than air
Solubility in Water : n/a

APPEARANCE AND ODOR: Aerosol product

Section X - Reactivity Data

STABILITY: Stable

CONDITIONS TO AVOID: None Known

INCOMPATIBILITY (MATERIALS TO AVOID): None Known

HAZARDOUS DECOMPOSITION PRODUCTS: By fire: Carbon Dioxide, Carbon Monoxide.

HAZARDOUS POLYMERIZATION: Will not occur

Section XI - Toxicological Information

See Section IV

Section XII - Ecological Information

Section XIII - Disposal Considerations

WASTE DISPOSAL METHOD: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for flammability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section XIV - Transport Information

CONSUMER COMMODITY, ORM-D

Section XV-Regulatory Information

SARA SECTION 313: This product contains 10% 1,2,4-trimethylbenzene, CAS 95-63-6.

WHMIS classification for product: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

This material 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 received from sources outside our company and we believe that 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 safely 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.