

Common Name: MAG 1 MULTI-PURPOSE GREASE

Manufacturer: WARREN DISTRIBUTION

MSDS Revision Date: 11/8/2012

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Manufacturer Model Number(s):

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WARREN DISTRIBUTION

SINCE 1922

SAFETY DATA SHEET

I. PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME: MAG 1 MULTI-PURPOSE GREASE

PRODUCT CODE: MG610014

EMERGENCY PHONE:

(800) 424-9300

(202) 483-7616 (CHEMTREC)

POISON CONTROL CENTER: (800) 222-1222

COMPANY:

WARREN DISTRIBUTION, INC.

727 S. 13TH ST.

OMAHA, NE 68102

INFORMATION PHONE:

(800) 825-1235

(402) 341-9397

II. HAZARDS IDENTIFICATION



ROUTES OF ENTRY: EYE CONTACT, INGESTION, INHALATION, SKIN CONTACT

CHEMICAL INTERACTIONS: NO CHEMICAL INTERACTION KNOWN TO AFFECT TOXICITY.

CONDITIONS AGGRAVATED BY EXPOSURE:

DIGESTIVE TRACT DISEASE, SKIN DISEASE INCLUDING ECZEMA AND SENSITIZATION,
RESPIRATORY DISEASE INCLUDING ASTHMA AND BRONCHITIS, EYE DISEASE

ACUTE HEALTH EFFECTS:

INHALATION IRRITATION:

HEATING CAN GENERATE VAPORS THAT MAY CAUSE RESPIRATORY IRRITATION, NAUSEA
AND HEADACHES.

SKIN CONTACT:

LUBRICATING OILS ARE GENERALLY CONSIDERED NO MORE THAN MINIMALLY IRRITATING
TO THE SKIN.

SKIN ABSORPTION:

MINIMAL HAZARD IN NORMAL INDUSTRIAL USE. MAY CAUSE GASTROINTESTINAL
DISCOMFORT.

EYE CONTACT:

LUBRICATING OILS ARE GENERALLY CONSIDERED NO MORE THAN MINIMALLY IRRITATING
TO THE EYES.

INGESTION IRRITATION: NO DATA.

CHRONIC HEALTH EFFECTS:

CARCINOGENICITY: NOT A CARCINOGEN ACCORDING TO NTP, IARC, OR OSHA.

REPRODUCTIVE TOXICITY:

NO DATA AVAILABLE TO INDICATE PRODUCT OR ANY COMPONENTS PRESENT AT GREATER THAN 0.1% MAY CAUSE BIRTH DEFECTS.

MUTAGENICITY:

NO DATA AVAILABLE TO INDICATE PRODUCT OR ANY COMPONENTS PRESENT AT GREATER THAN 0.1% IS MUTAGENIC OR GENOTOXIC.

HMIS RATINGS:

HEALTH 1
FIRE 1
REACTIVITY 0
PPE B

NFPA RATINGS:

HEALTH 1
FIRE 1
REACTIVITY 0

KEY:

- 0 - LEAST
- 1 - SLIGHT
- 2 - MODERATE
- 3 - HIGH
- 4 - EXTREME

III. COMPOSITION/INFORMATION ON INGREDIENTS



CHEMICAL NAME	%	CAS #	OSHA EXPOSURE LIMITS
PETROLEUM DISTILLATES, HYDROTREATED HEAVY NAPHTHENIC	10 - 30	64742-52-5	NO PEL
PETROLEUM DISTILLATES, SOLVENT	10 - 30	64742-65-0	NO PEL

DEWAXED HEAVY PARAFFINIC

PETROLEUM DISTILLATES, 10 - 30 64741-88-4 NO PEL
SOLVENT-REFINED HEAVY
PARAFFINIC

PETROLEUM DISTILLATES, 10 - 30 64742-54-7 NO PEL
HYDROTREATED HEAVY
PARAFFINIC

COMPONENTS NOT LISTED ARE NOT PHYSICAL OR HEALTH HAZARDS AS DEFINED IN
29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD).

IV. 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:

USE EYE WASH TO REMOVE A CHEMICAL FROM THE EYE. FLUSH THE AFFECTED EYE
FOR AT LEAST FIFTEEN MINUTES. TILT THE HEAD TO PREVENT CHEMICAL FROM
TRANSFERRING TO THE UNCONTAMINATED EYE. SEEK MEDICAL ATTENTION IF
IRRITATION PERSISTS.

SKIN CONTACT:

REMOVE CONTAMINATED CLOTHING AND SHOES AND WIPE EXCESS FROM SKIN. FLUSH
SKIN WITH WATER THEN WASH WITH SOAP AND WATER. IF IRRITATION OCCURS, GET
MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED. IF REDNESS,
SWELLING, PAIN, AND/OR BLISTERS OCCUR, TRANSPORT TO THE NEAREST MEDICAL
FACILITY FOR ADDITIONAL TREATMENT.

INGESTION:

NO HAZARD IN NORMAL INDUSTRIAL USE. DO NOT INDUCE VOMITING. SEEK MEDICAL

ATTENTION IF SYMPTOMS DEVELOP. PROVIDE MEDICAL CARE PROVIDER WITH THIS MSDS. CONTAINS A HARMFUL SUBSTANCE. SEEK MEDICAL HELP IMMEDIATELY AND CONTACT A POISON INFORMATION SERVICE. DRINK TWO GLASSES OF WATER OR MILK TO DILUTE.

NOTES TO DOCTOR: NO ADDITIONAL FIRST AID INFORMATION AVAILABLE.

V. FIRE FIGHTING MEASURES



FLAMMABILITY SUMMARY: COMBUSTIBLE AT ELEVATED TEMPERATURES

EXTINGUISHING MEDIA:

USE ALCOHOL RESISTANT FOAM, CARBON DIOXIDE, OR DRY CHEMICAL WHEN FIGHTING FIRES. WATER OR FOAM MAY CAUSE FROTHING IF LIQUID IS BURNING BUT IT STILL MAY BE A USEFUL EXTINGUISHING AGENT IF CAREFULLY APPLIED TO THE SURFACE OF THE FIRE. DO NOT DIRECT A STREAM OF WATER INTO THE HOT BURNING LIQUID.

FIRE AND/OR EXPLOSION HAZARDS:

MATERIAL MAY BE IGNITED ONLY IF PREHEATED TO TEMPERATURES ABOVE THE HIGH FLASH POINT, FOR EXAMPLE IN A FIRE.

FIRE FIGHTING METHODS AND PROTECTION:

DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION INCLUDING SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. USE METHODS FOR THE SURROUNDING FIRE.

HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE

FLASH POINT: 224 DEG. C (435 DEG. F)

AUTOIGNITION TEMPERATURE: NO DATA.

VI. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS AND EQUIPMENT:

NO HEALTH EFFECTS EXPECTED FROM THE CLEAN UP OF THIS MATERIAL IF CONTACT CAN BE AVOIDED. FOLLOW PERSONAL PROTECTIVE EQUIPMENT RECOMMENDATIONS FOUND IN SECTION 8 OF THIS MSDS.

METHODS FOR CLEAN-UP:

NO SPECIAL SPILL CLEAN UP CONSIDERATIONS. COLLECT AND DISCARD IN REGULAR TRASH. AVOID RUNOFF INTO STORM SEWERS AND DITCHES THAT LEAD TO WATERWAYS.

VII. HANDLING AND STORAGE



HANDLING PRECAUTIONS:

MILDLY IRRITATING MATERIAL. AVOID UNNECESSARY EXPOSURE.

STORAGE CONDITIONS:

STORE IN A COOL DRY VENTILATED LOCATION. ISOLATE FROM INCOMPATIBLE MATERIALS AND CONDITIONS. KEEP CONTAINER(S) CLOSED. DO NOT EXPOSE TO EXTREME TEMPERATURES OR FLAMES.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION



ENGINEERING CONTROLS:

NO EXPOSURE LIMITS EXIST FOR THE CONSTITUENTS OF THIS PRODUCT. USE LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO MINIMIZE EXPOSURES AND MAINTAIN OPERATOR COMFORT.

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) :

NONE REQUIRED WHERE ADEQUATE VENTILATION IS PROVIDED. IF AIRBORNE CONCENTRATIONS ARE ABOVE THE APPLICABLE EXPOSURE LIMITS, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION.

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, NEOPRENE

CONTROL PARAMETERS:

CHEMICAL NAME	ACGIH TLV-TWA	ACGIH STEL	IDLH	OSHA STEL
PETROLEUM DISTILLATES, HYDROTREATED HEAVY NAPHTHENIC	NO TLV	NO STL	NO IDLH	NO STEL
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC	NO TLV	NO STL	NO IDLH	NO STEL
PETROLEUM DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC	NO TLV	NO STL	NO IDLH	NO STEL
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC	NO TLV	NO STL	NO IDLH	NO STEL

IX. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: GREASE

COLOR: AMBER

ODOR: MODERATE

SOLUBILITY IN WATER: INSOLUBLE

EVAPORATION RATE: NO DATA.

VAPOR DENSITY: 5.00

VAPOR PRESSURE: NO DATA.

BOILING POINT (DEG. C): NO DATA.

SPECIFIC GRAVITY: 0.90

DENSITY: 7.51

FLASH POINT (DEG. C): 224

FLASH POINT METHOD: COC

UPPER FLAMMABILITY LIMIT, % IN AIR: UNKNOWN

LOWER FLAMMABILITY LIMIT, % IN AIR: UNKNOWN

X. STABILITY AND REACTIVITY



STABILITY: STABLE UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID:

TEMPERATURES ABOVE THE HIGH FLASH POINT OF THIS COMBUSTIBLE MATERIAL IN COMBINATION WITH SPARKS, OPEN FLAMES, OR OTHER SOURCES OF IGNITION.

MATERIALS TO AVOID: STRONG OXIDIZING AGENTS

HAZARDOUS DECOMP. PRODUCTS:

CARBON MONOXIDE, SULFUR OXIDES, ALDEHYDES, AND OTHER PETROLEUM DECOMPOSITION PRODUCTS IN THE CASE OF INCOMPLETE COMBUSTION. OXIDES OF NITROGEN, PHOSPHORUS, CALCIUM, COPPER, MAGNESIUM, SODIUM, AND HYDROGEN SULFIDE MAY ALSO BE PRESENT.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

XI. TOXICOLOGICAL INFORMATION



ACUTE TOXICITY:

INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE SYSTEMIC POISONING.

INHALATION:

TOXIC!

CAN CAUSE SYSTEMIC DAMAGE (SEE "TARGET ORGANS"). RESPIRATORY FAILURE IS POSSIBLE AT HIGH DOSES.

ABSORPTION:

MINIMAL HAZARD IN NORMAL INDUSTRIAL USE. MAY CAUSE GASTROINTESTINAL DISCOMFORT.

EYES (DRAIZE SCORE): NO DATA.

SKIN (DRAIZE SCORE): NO DATA.

COMPONENT TOXICOLOGY DATA (NIOSH):

CHEMICAL NAME	CAS #	LD50/LC50
PETROLEUM DISTILLATES, HYDROTREATED HEAVY NAPHTHENIC	64742-52-5	INHALATION LC50 RAT: >5 MG/L 4 H ORAL LD50 RAT: >5000 MG/KG DERMAL LD50 RABBIT: >5000 MG/KG
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC	64742-65-0	INHALATION LC50 RAT: >4.7 MG/L 4 H ORAL LD50 RAT: >5000 MG/KG DERMAL LD50 RABBIT: >5000 MG/KG
PETROLEUM DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC	64741-88-4	INHALATION LC50 RAT: 2.18 MG/L 4 H ORAL LD50 RAT >5000 MG/KG DERMAL LD50 RABBIT: >2000 MG/KG
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	INHALATION LC50 RAT: 2.18 MG/L 4 H ORAL LD50 RAT: >2000 MG/KG DERMAL LD50 RABBIT:

XII. ECOLOGICAL INFORMATION



OVERVIEW:

MODERATE ECOLOGICAL HAZARD. THIS PRODUCT MAY BE DANGEROUS TO PLANTS AND/OR WILDLIFE.

MOBILITY:

THIS MATERIAL IS EXPECTED TO HAVE ESSENTIALLY NO MOBILITY IN SOIL. IT ABSORBS STRONGLY TO MOST SOIL TYPES.

PERSISTENCE: NO DATA.

BIOCONCENTRATION: BIOCONCENTRATION IS NOT EXPECTED TO OCCUR.

DEGRADABILITY: BIODEGRADES SLOWLY.

TOXICITY TO AQUATIC INVERTEBRATES	CAS #	RESULTS
PETROLEUM DISTILLATES, HYDROTREATED HEAVY NAPHTHENIC	64742-52-5	48 HR EC50 DAPHNIA MAGNA: >1000 MG/L
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC	64742-65-0	48 HR EC50 DAPHNIA MAGNA: >1000 MG/L
PETROLEUM DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC	64741-88-4	48 HR EC50 DAPHNIA MAGNA: >1000 MG/L
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC	64742-54-7	48 HR EC50 DAPHNIA MAGNA: >1000 MG/L

TOXICITY TO FISH	CAS #	RESULTS
PETROLEUM DISTILLATES,	64742-52-5	96 HR LC50 ONCORHYNCHUS MYKISS:

HYDROTREATED HEAVY NAPHTHENIC		>5000 MG/L
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC	64742-65-0	96 HR LC50 ONCORHYNCHUS MYKISS: >5000 MG/L
PETROLEUM DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC	64741-88-4	96 HR LC50 ONCORHYNCHUS MYKISS: >5000 MG/L
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC	64742-54-7	96 HR LC50 ONCORHYNCHUS MYKISS: >5000 MG/L

XIII. DISPOSAL CONSIDERATIONS



DISPOSAL METHODS:
DISPOSE OF ACCORDING TO FEDERAL, STATE, LOCAL, OR PROVINCIAL REGULATIONS.
RECYCLE USED OIL.

XIV. TRANSPORTATION INFORMATION



NOT CLASSIFIED AS HAZARDOUS FOR TRANSPORT (DOT, TDG, IMO/IMDG, IATA/ICAO).

XV. REGULATORY INFORMATION



TSCA STATUS:
ALL COMPONENTS OF THIS MATERIAL ARE ON THE US TSCA INVENTORY OR ARE EXEMPT.

NAFTA TARIFF CODE: 2710.19.3750

STATE RESTRICTIONS: NONE LISTED.

WHMIS: UNCONTROLLED PRODUCT ACCORDING TO WHMIS CLASSIFICATION CRITERIA.

CHEMICAL NAME	REGULATION	CAS #	% RANGE
NONE LISTED.	CERCLA RQ		
NONE LISTED.	SARA 313		
NONE LISTED.	SARA 302-EHS		
NONE LISTED.	TSCA 12B EXPORT NOTIFICATION		
NONE LISTED.	CA PROP 65 - CANCER		
NONE LISTED.	MASSACHUSETTS RTK LIST		
NONE LISTED.	NEW JERSEY RTK LIST		
NONE LISTED.	PENNSYLVANIA RTK LIST		
NONE LISTED.	MINNESOTA HAZARDOUS SUBSTANCE LIST		

CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008 GENERAL CONFORMITY
CERTIFICATION:

THIS PRODUCT HAS BEEN EVALUATED AND CERTIFIED TO BE LABELED AND PACKAGED IN COMPLIANCE WITH THE APPLICABLE PROVISIONS OF THE FEDERAL HAZARDOUS SUBSTANCE ACT AS STATED IN 16 CFR 1500 AND ENFORCED BY THE CONSUMER PRODUCT SAFETY COMMISSION, AND WHERE APPLICABLE THE PRODUCTS THAT REQUIRE CHILD RESISTANT CLOSURES ARE PACKAGED IN ACCORDANCE WITH THE POISON PREVENTION PACKAGING ACT AS STATED IN 16 CFR 1700 AND ENFORCED BY THE CONSUMER PRODUCT SAFETY COMMISSION. ALL CLOSURES HAVE BEEN TESTED IN ACCORDANCE WITH THE LATEST PROTOCOLS. NO OTHER TESTING IS REQUIRED TO CERTIFY COMPLIANCE WITH THE ABOVE. THE DATE OF MANUFACTURE IS STAMPED ON THE PRODUCT CONTAINER.

XVI. ADDITIONAL INFORMATION



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DISCLAIMER:

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 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.