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SDS

Common Name: MAG 1 MARINE GREASE

Manufacturer: WARREN DISTRIBUTION

SDS Revision Date: 4/2/2015

SDS Format: GHS-US

Grainger Item Number(s): 49EP07

Manufacturer Model Number(s):

SDS Table of Contents

Click the desired link below to jump directly to that section in the SDS.

- [SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE](#)
- [SECTION 2: HAZARDS IDENTIFICATION](#)
- [SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS](#)
- [SECTION 4: FIRST AID MEASURES](#)
- [SECTION 5: FIREFIGHTING MEASURES](#)
- [SECTION 6: ACCIDENTAL RELEASE MEASURES](#)
- [SECTION 7: HANDLING AND STORAGE](#)
- [SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION](#)
- [SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES](#)
- [SECTION 10: STABILITY AND REACTIVITY](#)
- [SECTION 11: TOXICOLOGICAL INFORMATION](#)
- [SECTION 12: ECOLOGICAL INFORMATION](#)
- [SECTION 13: DISPOSAL CONSIDERATIONS](#)
- [SECTION 14: TRANSPORT INFORMATION](#)
- [SECTION 15: REGULATORY INFORMATION](#)
- [SECTION 16: OTHER INFORMATION](#)

WD
WARREN DISTRIBUTION
SINCE 1922

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE



AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER:

PRODUCT NAME: MAG 1 MARINE GREASE

PRODUCT CODE: MG640014

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

RECOMMENDED USE: NOT APPLICABLE

RECOMMENDED RESTRICTIONS: NOT APPLICABLE

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:

CARCINOGENICITY: CATEGORY 1B

SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 2

ACUTE TOXICITY - INHALATION VAPOR: CATEGORY 3

ACUTE TOXICITY - INHALATION DUST / MIST: CATEGORY 4

2.2. LABEL ELEMENTS:

GHS HAZARD SYMBOLS:

HEALTH HAZARD

SKULLS AND CROSSBONES

EXCLAMATION MARK

SIGNAL WORD: DANGER

HAZARD STATEMENTS:

H319: CAUSES SERIOUS EYE IRRITATION.

H331: TOXIC IF INHALED.

H332: HARMFUL IF INHALED.

H350: MAY CAUSE CANCER.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P201: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

P202:

DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY.

P264: WASH EXPOSED AREAS THOROUGHLY AFTER HANDLING.

P271: USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.

P280:

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.

RESPONSE:

P304+P340:

IF INHALED:

REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION 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 OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

P321: SPECIFIC TREATMENT (SEE SECTION 4).

P337+P313:

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

STORAGE:

P403+P233: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

P405: STORE LOCKED UP.

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):

UNKNOWN ACUTE TOXICITY (ORAL):

18.5% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY.

UNKNOWN ACUTE TOXICITY (DERMAL):

18.5% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY.

UNKNOWN ACUTE TOXICITY (GAS):

20% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY.

UNKNOWN ACUTE TOXICITY (DUST/MIST):

20% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



CHEMICAL NAME	%	CAS #	GHS CLASSIFICATION
PETROLEUM DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC	60 - 90	64741-88-4	ACUTE TOX. 4; H332 ACUTE TOX. 3; H331
PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS ZINC SALTS	0.5 - 1.5	68649-42-3	AQUATIC CHRONIC 2; H411 EYE DAM. 1; H318 SKIN IRRIT. 2; H315

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.

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. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

INGESTION:

NO HAZARD IN NORMAL INDUSTRIAL USE. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IF SYMPTOMS DEVELOP. PROVIDE MEDICAL CARE PROVIDER WITH THIS SDS.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

SYMPTOMS: NOT DETERMINED

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTE TO DOCTOR: NO ADDITIONAL FIRST AID INFORMATION AVAILABLE.

SECTION 5: FIREFIGHTING MEASURES



5.1. EXTINGUISHING MEDIA:

SUITABLE AND UNSUITABLE 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.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

FIRE AND/OR EXPLOSION HAZARDS:

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

5.3. ADVICE FOR FIREFIGHTERS:

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

SECTION 6: ACCIDENTAL RELEASE MEASURES



6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

GENERAL MEASURES:

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

6.2. ENVIRONMENTAL PRECAUTIONS:

AVOID RUNOFF INTO STORM SEWERS AND DITCHES THAT LEAD TO WATERWAYS.

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.

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:

MILDLY IRRITATING MATERIAL. AVOID UNNECESSARY EXPOSURE.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORE IN A COOL DRY PLACE. ISOLATE FROM INCOMPATIBLE MATERIALS.

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
OIL MIST, MINERAL	OSHA PEL	5 MG/M3
OIL MIST, MINERAL	ACGIH TLV-TWA	5 MG/M3
OIL MIST, MINERAL	ACGIH STEL	10 MG/M3
NONE.	IDLH	
NONE.	OSHA PEL-SKIN NOTATION	

8.2. EXPOSURE CONTROLS:

ENGINEERING MEASURES:

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. WEAR ADDITIONAL EYE PROTECTION SUCH AS CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD WHEN THE POSSIBILITY EXISTS FOR EYE CONTACT WITH SPLASHING OR SPRAYING LIQUID, OR AIRBORNE MATERIAL. DO NOT WEAR CONTACT LENSES. HAVE AN EYE WASH STATION AVAILABLE.

SKIN PROTECTION:

WHERE USE CAN RESULT IN SKIN CONTACT, PRACTICE GOOD PERSONAL HYGIENE AND WEAR IMPERVIOUS GLOVES. WASH HANDS AND OTHER EXPOSED AREAS WITH MILD SOAP AND WATER BEFORE EATING, DRINKING, AND WHEN LEAVING WORK.

GLOVES: NEOPRENE

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: SEMI-SOLID

COLOR: BLUE

ODOR: MILD PETROLEUM ODOR

ODOR THRESHOLD: NOT DETERMINED

PH: NOT DETERMINED

FREEZING POINT: NOT DETERMINED

BOILING POINT: NOT DETERMINED

FLASH POINT: 232

FLASH POINT METHOD: COC

EVAPORATION RATE: 0.1-0.5 (N-BUTYL ACETATE = 1)

UPPER FLAMMABLE/EXPLOSIVE LIMIT, % IN AIR: NOT ESTABLISHED

LOWER FLAMMABLE/EXPLOSIVE LIMIT, % IN AIR: NOT ESTABLISHED

FLAMMABILITY (SOLID, GAS): NOT APPLICABLE

VAPOR PRESSURE: <0.20

VAPOR DENSITY: >5

RELATIVE DENSITY: 0.9

SOLUBILITY IN WATER: INSOLUBLE

OCTANOL/WATER PARTITION COEFFICIENT: NOT DETERMINED

AUTOIGNITION TEMPERATURE: NOT DETERMINED

DECOMPOSITION TEMPERATURE: 120

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

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 SLIGHTLY IRRITATING TO SKIN BASED ON ANIMAL
DATA. CAN CAUSE MINOR SKIN IRRITATION, DEFATTING, AND DERMATITIS.

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:

NOT EXPECTED TO CAUSE CANCER. THIS PRODUCT MEETS THE IP-346 CRITERIA OF <3% PAH'S AND IS NOT CONSIDERED A CARCINOGEN BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER.

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.

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:

NON-HAZARDOUS UNDER AQUATIC CHRONIC ENVIRONMENT CATEGORY.

12.2. PERSISTENCE AND DEGRADABILITY: BIODEGRADES SLOWLY.

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 ACCORDING TO FEDERAL, STATE, LOCAL, OR PROVINCIAL REGULATIONS.
RECYCLE USED OIL.

WASTE DISPOSAL CODE(S):

WASTE DESCRIPTION FOR SPENT PRODUCT:

SPENT OR DISCARDED MATERIAL IS NON-HAZARDOUS ACCORDING TO ENVIRONMENTAL REGULATIONS.

CONTAMINATED PACKAGING:

RECYCLE CONTAINERS WHENEVER POSSIBLE.

SECTION 14: TRANSPORT INFORMATION



DOT BASIC DESCRIPTION:

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

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: NOT APPLICABLE

WHMIS: UNCONTROLLED PRODUCT ACCORDING TO WHMIS CLASSIFICATION CRITERIA.

CHEMICAL NAME	REGULATION	CAS #	%
NONE.	CERCLA		
NONE.	SARA 313		
NONE.	SARA EHS		
NONE.	TSCA 12B		

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		
NONE.	MASSACHUSETTS RTK LIST		
NONE.	NEW JERSEY RTK LIST		
NONE.	PENNSYLVANIA RTK LIST		
NONE.	RHODE ISLAND RTK LIST		
NONE.	MINNESOTA HAZARDOUS SUBSTANCE LIST		

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

SECTION 16: OTHER INFORMATION



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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
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.