

SAFETY DATA SHEET

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

1.1. Product identifier

Product Name: MAG 1 80W90 6/1QT #820
Product Code: MG1890PL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Gear Oil
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

Skin Sensitisation Category 1

2.2. Label elements

GHS Hazard Symbols



Signal Word

Warning

Hazard Statements

May cause an allergic skin reaction.

Precautionary Statements

Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P321 - Specific treatment (see section 4).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.

Response

Disposal

P501- Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

Hazards not otherwise classified:

Avoid prolonged or repeated skin contact with used fluid.

Unknown acute toxicity (GHS-US)

SECTION 3: Composition/information on ingredients

Chemical Name	%	CAS #	GHS Classification
Residual oils, petroleum, solvent-refined	30 - 60	64742-01-4	Acute Tox. 4; H332

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SECTION 3: Composition/information on ingredients

Naphthalene	15 - 40	91-20-3	Acute Tox. 3; H331 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Acute Tox. 4; H302 Carc. 2; H351 Flam. Sol. 1; H228
Cumene	1 - 5	98-82-8	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 Acute Tox. 4; H302 Flam. Liq. 3; H226 STOT SE 3; H335, H336
Ethyl benzene	1 - 5	100-41-4	Acute Tox. 4; H332 Flam. Liq. 2; H225
Ethyl acrylate	0.1 - 1	140-88-5	Acute Tox. 4; H312 Acute Tox. 3; H331 Acute Tox. 4; H302 Eye Irrit. 2; H319 Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 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, launder immediately, and discard contaminated leather goods. Get medical attention immediately. Seek medical advice if symptoms persist.
Ingestion	Severely irritating. Do not induce vomiting. Seek medical attention immediately. Drink 2 glasses of water or milk to dilute.

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 Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.

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 monoxide, Smoke

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General Measures: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

6.2. Environmental precautions

Do not flush to sewer.

Avoid runoff into storm sewers and ditches that lead to waterways.

Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.

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. {EMSFORM_06GHS_CLEAN}

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

Toxic or severely 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.

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)

Gear Oil

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	Occupational Exposure Limits	Value
Oil mist, mineral	OSHA PEL	5 mg/m3
Naphthalene	OSHA PEL	10 ppm TWA; 50 mg/m3 TWA
Cumene	OSHA PEL	50 ppm TWA; 245 mg/m3 TWA
ethylbenzene	OSHA PEL	100 ppm TWA; 435 mg/m3 TWA
Ethyl acrylate	OSHA PEL	25 ppm TWA; 100 mg/m3 TWA
Naphthalene	OSHA STEL	15 ppm STEL; 75 mg/m3 STEL
ethylbenzene	OSHA STEL	125 ppm STEL; 545 mg/m3 STEL
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m3
Naphthalene	ACGIH TLV-TWA	10 ppm TWA
Cumene	ACGIH TLV-TWA	50 ppm TWA
ethylbenzene	ACGIH TLV-TWA	20 ppm TWA
Ethyl acrylate	ACGIH TLV-TWA	5 ppm TWA
Oil mist, mineral	ACGIH STEL	10 mg/m3
Naphthalene	ACGIH STEL	15 ppm STEL
Ethyl acrylate	ACGIH STEL	15 ppm STEL
Naphthalene	IDLH	250 ppm IDLH
Cumene	IDLH	900 ppm IDLH (10% LEL)
ethylbenzene	IDLH	800 ppm IDLH (10% LEL)
Ethyl acrylate	IDLH	300 ppm IDLH
Cumene	OSHA PEL-Skin Notation	prevent or reduce skin absorption
Ethyl acrylate	OSHA PEL-Skin Notation	prevent or reduce skin absorption
Cumene	OSHA STEL-Skin Notation	Potential for dermal absorption

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	Occupational Exposure Limits	Value
Naphthalene	ACGIH TLV-Skin Designation	Skin - potential significant contribution to overall exposure by the cutaneous route

8.2. Exposure controls

Engineering Measures	Local exhaust ventilation, process enclosures, or other engineering controls are necessary when handling or using this product to avoid overexposure.
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	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. 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	Neoprene, Nitrile

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Color	Brown
Odor	Mild
Odor threshold	Not determined
pH	Not determined
Freezing point	-20
Boiling Point	Not determined
Flash Point (°C)	218
Flash Point Method	COC
Evaporation Rate	Not determined
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	4.42
Relative Density	0.89
Solubility in Water	Negligible; 0-1%
Octanol/Water Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity(°C)	130.9
9.2. Other information	
Volatiles, % by weight	0.000000

SECTION 10: Stability and reactivity

10.1. Reactivity	No data available.
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SECTION 10: Stability and reactivity

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. Moisture (will lead to product performance degradation).
10.5. Incompatible materials	Strong oxidizing agents
10.6. Hazardous decomposition products	Carbon monoxide, Smoke

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ingestion Toxicity	No hazard in normal industrial use. Estimated to be > 5.0 g/kg.
Skin Contact	This material is likely to be moderately irritating to skin based on animal data. Can cause severe irritation, defatting, and dermatitis. Irritation effects may last for hours or days but will not likely result in permanent damage.
Absorption	Estimated to be > 5.0 g/kg; practically non-toxic
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. Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. 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.
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
Naphthalene	IARC Group 2B
Cumene	IARC Group 2B
ethylbenzene	IARC Group 2B
Methyl isobutyl ketone	IARC Group 2B
Ethyl acrylate	IARC Group 2B
Vinyl acetate	IARC Group 2B

National Toxicity Program (NTP) Status

Not applicable	Known Human Carcinogen
Naphthalene	Reasonably Anticipated To Be A Human Carcinogen
Cumene	Reasonably Anticipated To Be A Human Carcinogen

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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 by incineration following Federal, State, Local, or Provincial regulations.

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.

Recycle containers whenever possible.

Recycle containers whenever possible.

Recycle containers whenever possible.

Recycle containers whenever possible.

SECTION 14: Transport information

DOT Basic Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

Description

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:

B4, D2A

B2, D2A

B2, D2A, D2B

B2, D1A, D2A, D2B, E, F

Chemical Name	Regulation	CAS #	%
Naphthalene	CERCLA	91-20-3	15 - 40
Benzene, (1-methylethyl)-	CERCLA	98-82-8	1 - 5
ethylbenzene	CERCLA	100-41-4	1 - 5
Ethyl acrylate	CERCLA	140-88-5	0.1 - 1
Naphthalene	SARA 313	91-20-3	15 - 40
Cumene	SARA 313	98-82-8	1 - 5
ethylbenzene	SARA 313	100-41-4	1 - 5
Methyl isobutyl ketone	SARA 313	108-10-1	0.1 - 1
Ethyl acrylate	SARA 313	140-88-5	0.1 - 1
Vinyl acetate	SARA 313	108-05-4	0.001- 0.01
None.	SARA EHS		
None.	TSCA 12b		

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U.S. State Regulations

Chemical Name	Regulation	CAS #	%
Naphthalene	California Prop 65- Cancer	91-20-3	15 - 40
Cumene	California Prop 65- Cancer	98-82-8	1 - 5
ethylbenzene	California Prop 65- Cancer	100-41-4	1 - 5
ISOBUTYL METHYL KETONE	California Prop 65- Cancer	108-10-1	0.1 - 1
Ethyl acrylate	California Prop 65- Cancer	140-88-5	0.1 - 1
Methyl isobutyl ketone (MIBK)	California Prop 65- Dev. Toxicity	108-10-1	0.1 - 1
None.	California Prop 65- Reprod -fem		
None.	California Prop 65- Reprod-male		
Naphthalene	Massachusetts RTK List	91-20-3	15 - 40
Cumene	Massachusetts RTK List	98-82-8	1 - 5
ethylbenzene	Massachusetts RTK List	100-41-4	1 - 5
Ethyl acrylate	Massachusetts RTK List	140-88-5	0.1 - 1
Naphthalene	New Jersey RTK List	91-20-3	15 - 40
Cumene	New Jersey RTK List	98-82-8	1 - 5
ethylbenzene	New Jersey RTK List	100-41-4	1 - 5
Ethyl acrylate	New Jersey RTK List	140-88-5	0.1 - 1
Naphthalene	Pennsylvania RTK List	91-20-3	15 - 40
Benzene, (1-methylethyl)-	Pennsylvania RTK List	98-82-8	1 - 5
Benzene, ethyl-	Pennsylvania RTK List	100-41-4	1 - 5
2-Propenoic acid, ethyl ester	Pennsylvania RTK List	140-88-5	0.1 - 1
None.	Rhode Island RTK List		
Naphthalene	Minnesota Hazardous Substance List	91-20-3	15 - 40
Cumene	Minnesota Hazardous Substance List	98-82-8	1 - 5
ethylbenzene	Minnesota Hazardous Substance List	100-41-4	1 - 5
Ethyl acrylate	Minnesota Hazardous Substance List	140-88-5	0.1 - 1

HMIS Ratings:

Health: 3
Fire: 1
Reactivity: 0
PPE: B

NFPA Ratings:

Health: 3
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

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SECTION 16: Other information

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.