# SAFETY DATA SHEET

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

**1.1. Product identifier**

**Product Name:** **MAG 1 80W90 W/LS IBC 330G**
**Product Code:** MG1890I3

**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:** Pioneer Premiere
1300 N. 24th Ave.
Phoenix, AZ 85009
**Information Phone:**
**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 1B
Hazardous to the aquatic environment - Chronic Category 3

**2.2. Label elements**

**GHS Hazard Symbols**

**Signal Word** Warning
**Hazard Statements** May cause an allergic skin reaction.
H412 - Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention**
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response**
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.

**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)**

| | |
|---|---|
| **Unknown Acute Toxicity (Gas):** | 47.389933 % of the mixture consists of ingredient(s) of unknown toxicity. |

## 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<br>Acute Tox. 3; H331 |
| 000MMS06 | 15 - 40 | | Aquatic Chronic 4; H413 |
| Polysulfides, di-tert-Bu | 1 - 5 | 68937-96-2 | Aquatic Chronic 3; H412 |
| Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | 0.5 - 1.5 | Confidential | Aquatic Chronic 2; H411<br>Acute Tox. 4; H302<br>Eye Dam. 1; H318<br>Skin Sens. 1; H317 |

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. Get medical attention if irritation develops or persists. |
| **Ingestion** | Do not induce vomiting and seek medical attention immediately. 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 |

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## 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**

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**

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)**

Gear Oil

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

| Chemical Name | Occupational Exposure Limits | Value |
|---|---|---|
| None. | OSHA PEL | |
| 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** | Liquid |
| **Color** | Brown |

# SAFETY DATA SHEET

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Odor** | Mild |
| **Odor threshold** | Not determined |
| **pH** | Not determined |
| **Freezing point** | Not determined |
| **Boiling Point** | Not determined |
| **Flash Point (ºC)** | 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** | Not determined |
| **Vapor Density** | Not determined |
| **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. |
| **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** | No hazard in normal industrial use.Estimated to be > 5.0 g/kg. |
| **Skin Contact** | This material is estimated to be slightly irritating (Primary Irritation Index is 0.5 - 3.0 [rabbits]).Can cause minor skin irritation, defatting, and dermatitis. |
| **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. 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.Contains a substance that may cause skin sensitization. |
| **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. |

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## SECTION 11: Toxicological information

| | |
|---|---|
| **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 |
| Vinyl acetate | IARC Group 2B |
| Cumene | IARC Group 2B |
| ethylbenzene | IARC Group 2B |
| Naphthalene | IARC Group 2B |
| Methyl isobutyl ketone | IARC Group 2B |
| Ethyl acrylate | IARC Group 2B |

**National Toxicity Program (NTP) Status**

| | |
|---|---|
| Not applicable | Known Human Carcinogen |
| Cumene | Reasonably Anticipated To Be A Human Carcinogen |
| Naphthalene | 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:** H412 - Harmful to aquatic life with long lasting effects.

**12.2. Persistence and degradability**

Does not biodegrade readily.

**12.3. Bioaccumulative potential**

Bioconcentration is not expected to 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

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## 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 | | |
| Vinyl acetate | SARA 313 | 108-05-4 | 0.001- 0.01 |
| Cumene | SARA 313 | 98-82-8 | 0.001- 0.01 |
| ethylbenzene | SARA 313 | 100-41-4 | 0.001- 0.01 |
| Naphthalene | SARA 313 | 91-20-3 | <10ppm |
| Methyl isobutyl ketone | SARA 313 | 108-10-1 | <10ppm |
| Ethyl acrylate | SARA 313 | 140-88-5 | <10ppm |
| None. | SARA EHS | | |
| None. | TSCA 12b | | |

**U.S. State Regulations**

| Chemical Name | Regulation | CAS # | % |
|---|---|---|---|
| Cumene | California Prop 65- Cancer | 98-82-8 | 0.001- 0.01 |
| ethylbenzene | California Prop 65- Cancer | 100-41-4 | 0.001- 0.01 |
| Naphthalene | California Prop 65- Cancer | 91-20-3 | <10ppm |
| ISOBUTYL METHYL KETONE | California Prop 65- Cancer | 108-10-1 | <10ppm |
| Ethyl acrylate | California Prop 65- Cancer | 140-88-5 | <10ppm |
| Methyl isobutyl ketone (MIBK) | California Prop 65- Dev. Toxicity | 108-10-1 | <10ppm |
| 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: | | NFPA Ratings: | |
|---|---|---|---|
| Health: | 1 | Health: | 1 |
| Fire: | 1 | Fire: | 1 |
| Reactivity: | 0 | Reactivity: | 0 |
| PPE: | B | | |

KEY: 0 - Least 1 - Slight 2 - Moderate 3 - High 4 – Extreme

## SECTION 16: Other information

# SAFETY DATA SHEET

## SECTION 16: Other information

**Revision Date** 8/5/2015 3:35:24 PM
**Supersedes:** 4/2/2015 12:45:39 AM
**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**