

# AMSOIL Material Safety Data Sheet

Date Issued/Revised: November 15, 2004  
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## Section 1: Product and Company Identification

Manufacturer: AMSOIL, Inc. Telephone:  
925 Tower Avenue CHEMTREC (Spill Emergency Only): 1-800-424-9300  
Superior, WI 54880 Information: 715-392-7101

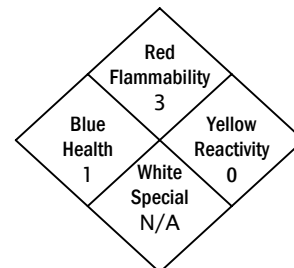
AMSOIL Product Code .....GFW  
Product Label Name..... Synthetic 5<sup>th</sup> Wheel and Open Gear Compound (Aerosol)  
Product Use.....Synthetic Hydrocarbon-Based Lubricating Fluid

## Section 2: Composition/Information on Ingredients

### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

MINERAL, HYDROCARBON BASED FLUIDS CAS# Mixture, appx weight=37-40%  
ACGIH TLV & OSHA PEL: 5mg/m<sup>3</sup> (mist)  
PROPANE, CAS# 74-98-6, appx wt=25-30%  
ACGIH TLV & OSHA PEL: 1000 ppm  
ISOBUTANE, CAS # 75-28-5, appx wt=25-30%  
ACGIH TLV & OSHA PEL: 1000 ppm  
ZINC OXIDE, CAS# 1314-13-3, appx wt=1.0-2.0%

NFPA & HMIS Rating



## Section 3: Hazards Identification

**WARNING!**  
Extremely Flammable Liquid, vapor may cause flash fire. DO not use near heat or flame.  
POTENTIAL HEALTH EFFECTS: Eye, inhalation, skin irritation.

## Section 4: First Aid Measures

**EYE:** Flush with water for 15-20 minutes. Seek immediate medical attention.

**SKIN:** Wash immediately with soap and water. Immediately remove contaminated clothing and launder before reuse. Discard shoes and leather articles saturated with the product. Obtain medical advice if irritation occurs.

**INHALATION:** Remove exposed person to fresh air. If breathing is labored give oxygen. If breathing has stopped apply artificial respiration. Get immediate medical attention.

**INGESTION:** DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. If vomiting does occur, keep head below hips to reduce risk of aspiration. Get immediate medical attention. **CAUTION: Harmful or Fatal if Swallowed**

## Section 5: Fire Fighting Measures

**FLAMMABILITY PROPERTIES:** Flash Point ..... 25°F (-4°C)  
Method ..... TCC (ASTM D-56)  
LFL/UFL ..... 1.1 / 6.7  
Auto-ignition Temperature ..... Not Determined

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, and alcohol foam.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited. Thermal decomposition of product may include toxic oxides of carbon. Overexposure may cause health hazards.

**FIREFIGHTING EQUIPMENT:** Full bunker gear recommended. Including a positive pressure self-contained breathing apparatus.

#### Section 6: Accidental Release Measures

Isolate spill area. Provide adequate ventilation. Wear appropriate personal protection. Recover free product for recycle and/or disposal. Add sand, earth or other suitable absorbent to spill area. Prevent entry into sewers and waterways. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulator Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spill.

#### Section 7: Handling and Storage

**HANDLING:** Do not puncture or incinerate can. Do not stick pin, nail or other sharp object into opening on top of can. Avoid contact with eyes, skin or clothing. Wash hands after handling. Empty container may retain product residue, which may exhibit hazards of product.

**STORAGE:** Store and use in cool, dry, well-ventilated areas. Keep away from heat or flame.

#### Section 8: Exposure Controls/Personal Protection

**VENTILATION:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

**RESPIRATORY:** Use a NIOSH approved respirator when necessary.

**SKIN:** Use Viton or Nitrile gloves to avoid prolonged or repeated skin contact.

**EYE:** Use splash goggles or face shield where splashing is expected or can occur.

**EXPOSURE LIMITS:** The Threshold Limit Value (TLV) of 5 mg/m<sup>3</sup> is suggested for oil mist.

#### Section 9: Physical and Chemical Properties

Physical State .....	Liquid
Boiling Point .....	Not Determined
Freezing/Melting Point .....	Not Applicable
Vapor Pressure .....	70 psig @ 70° F
Vapor Density (Air=1) .....	<1
Evaporation Rate .....	Not Determined
Solubility in Water .....	Negligible
Specific Gravity (Water=1) .....	0.8700
Density, lb./gal. ....	7.25
Volatility (Volume) .....	50% VOC Content
VOC .....	Unknown
pH .....	Essentially Neutral
Coefficient of Water/Oil Distribution .....	Not Determined
Odor .....	Mild, bland, hydrocarbon odor
Odor Threshold .....	Not Determined
Appearance .....	White Viscous Spray
Viscosity, cSt @ 100°C .....	Not Applicable
Viscosity, cSt @ 40°C .....	Not Applicable
Viscosity Index .....	Not Applicable

**Section 10: Stability and Reactivity**

STABILITY: Stable. Avoid open flame and high temperatures.

INCOMPATIBILITY: Avoid contact with strong oxidizers, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: May produce fumes when heated to decomposition. Fumes may contain toxic oxides of carbon.

**Section 11: Toxicological Information****ACUTE EXPOSURE**

- Eye Irritation: Moderate to strong eye irritation. Based on data from components or similar material.
- Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or similar material. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, defatting, and cracking of the skin.
- Respiratory Irritation: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.

**CHRONIC EXPOSURE**

- Chronic Toxicity: No data available to indicate product present at greater than 1.0% are chronic health hazards.
- Carcinogenicity: No data available to indicate product present at greater than 0.1% are a carcinogenic hazard.
- Mutagenicity: No data available to indicate product present at greater than 1.0% present a mutagenic or genotoxic hazard.
- Reproductive Toxicity: No data available to indicate product present at greater than 1.0% present a reproductive hazard.
- Teratogenicity: No data available to indicate product present at greater than 1.0% present a teratogenic hazards.

**ADDITIONAL INFORMATION**

- Exposure Limits: Under conditions, which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

There are extensive toxicological data available on the various components of this product. An adequate representation of all these data is beyond the scope of this document. Please contact the AMSOIL Material Safety Data Sheet Coordinator for more details.

**Section 12: Ecological Information**

No data available on the adverse effects of this product on the environment.

**Section 13: Disposal Considerations**

Material is expected to be hazardous when disposed. Dispose of in accordance with all local, state and federal regulations.

**Section 14: Transport Information**

This product is classified as Combustible liquids N.O.S., NA1993 for DOT shipping. Hazard Label ORM-D. For further information relative to spills resulting from transportation incidents, refer to the latest DOT Emergency Response Guidebook for Hazardous Materials.

**Section 15: Regulatory Information**

## U.S. Federal Regulations

OSHA Table Z ..... Zinc and zinc compounds are considered hazardous  
If present in more than trace amounts

TSCA ..... Listed  
CERCLA 40 CFR 302.4 ..... Not Applicable

## SARA Title III

Section 302 Extremely Hazardous ..... Not Applicable

## Section 311/312

Fire Hazard ..... Yes

Reactive Hazard ..... No

Release of Pressure ..... Yes

Acute Health Hazard ..... Yes

Chronic Health Hazard ..... No

Section 313 Toxic Chemical ..... Zinc Oxide: 1.0-2.0%

## U.S. State Regulations

## California (Prop 65)

Does not contain chemicals known to the state of California to cause cancer.

## International Regulations

WHMIS ..... All components listed

**Section 16: Other Information**

The information and recommendations contained herein are, to the best of AMSOIL's knowledge and belief, accurate and reliable as of the date issued. AMSOIL makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and AMSOIL shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with AMSOIL's interpretation of the available data.