

M A T E R I A L S A F E T Y D A T A S H E E T

JF92 - Jack Oil
Part #JF92

Gold Eagle Company
4400 S. Kildare Blvd.
Chicago, IL 60632-4372
(773) 376-4400

***** HMIS RATINGS *****
Health: 0 Flammability: 1 Reactivity: 0 Pers. Prot. Index: B

***** NFPA RATINGS *****
Health: 0 Fire: 1 Reactivity: 0 Specific Hazard: None

SECTION I PRODUCT IDENTITY

Product/Trade Name(s): JF92 - Jack Oil
Part Number: JF92
MSDS Date: 03/12/97
CAS #: N/A
Category: Lubricating Oil
Distributor: N/A
Chemical Name: N/A
Formula: N/A
Brief Description: 20 weight lubricating oil for air compressors.

SECTION II HAZARDOUS INGREDIENTS & EXPOSURE LIMITS

CHEMICAL NAME	CAS #	%	LIMIT VALUES
ADDITIVE PACKAGE (CAS#: MIXTURE)		5.00	N/A
REFINED PETROLEUM OIL (CAS# 64742-65-0)		95.00	N/A

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 665 F. (352 C.)
Vapor Pressure (mm Hg.): N/A
Vapor Density (AIR = 1): >1.0
Solubility in Water: Negligible
% Volatile / Volume: Negligible
Appearance and Odor: Amber, oil type liquid
pH: N/A
Specific Gravity (H2O = 1): 0.872

Miscellaneous Information

Product is a combustible liquid. Keep away from heat and flames. Store below 150 F., do not apply high heat or flame to container. Keep separate from strong oxidizing agents. Empty containers may contain product residue which could include flammable or explosive vapors.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: 392 F. (200 C.) TCC

Flammable Limits: N/A

Lower Explosive Limit (LEL): N/A

Upper Explosive Limit (UEL): N/A

Extinguishing Media

Use carbon dioxide, dry chemical, foam and/or water fog as extinguishing media.

Special Fire Fighting Procedures

None

Unusual Fire and Explosion Hazards

Water may cause frothing.

SECTION V REACTIVITY DATA

Stable: Yes

Hazardous Polymerization May Occur: No

Conditions to Avoid

Store below 150 F. Do not apply high heat or flame to container. Keep separate from strong oxidizing agents.

Incompatibility (Material to Avoid)

Strong oxidants.

Hazardous Decomposition or Byproducts

Carbon dioxide (Carbon monoxide under incomplete combustion)

SECTION VI HEALTH HAZARD DATA

Effects on Eyes

Mildly irritating.

Effects on Skin

Mild irritant.

Effects Due to Ingestion

Toxicity is relatively low, there is a risk of aspiration of product into the lungs. On ingestion of large quantities, slight GI discomfort, diarrhea, and headache may occur. Small doses may produce irritation and diarrhea.

Effects Due to Inhalation

Low risk of inhalation. Mists above TLV may cause chemical pneumonitis.

First Aid Procedures for Eyes

If the product contacts the eyes, immediately wash the eyes with large quantities of room temperature water for at least 15 minutes, occasionally lifting the lower and upper lids. Get medical attention immediately.

First Aid Procedures for Skin

If the product contacts the skin, promptly wash the contaminated skin with soap and water for at least 15 minutes. If this product penetrates the clothing, promptly remove the clothing and wash the skin with soap and water.

First Aid Procedures for Ingestion

Do not induce vomiting. Get immediate medical assistance.

First Aid Procedures for Inhalation

Move the exposed person to fresh air at once and call emergency medical care. If breathing has stopped, give artificial respiration. If breathing is difficult, give humidified oxygen.

JF92 - Jack Oil
Part #JF92

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled

SMALL SPILL: Remove sources of heat or ignition, provide adequate ventilation, contain leak absorbent, inert, non-combustible material. LARGE SPILL: Contain spill, transfer to secure containers. In the event of an uncontrolled material release, the user should determine if release is reportable under applicable laws and regulations.

Waste Disposal Method

Dispose of product in accordance with local, state, and federal regulations. Before attempting clean up, refer other sections of MSDS for hazard warning information.

Precautions to Be Taken in Handling and Storing

See other sections of MSDS

Other Precautions

Product is combustible, handle accordingly.

SECTION VIII CONTROL MEASURES

Local Exhaust: Provide local ventilation to maintain exposure levels below recommended exposure limits.

Mechanical (General): In confined spaces, mechanical ventilation may be required.

Special Ventilation: OSHA TWA 5mg/m³ Oil Mist

Other Ventilation: N/A

Protective Gloves: Use oil impervious gloves as required.

Eye Protection: Use safety goggles or chemical splash goggles as required.

Other Protective Clothing or Equipment

If there is a possibility of exposure of an individual's body to the lubricating oil, wear body-covering work clothes to avoid prolonged or repeated exposure.

Work/Hygienic Practices

Use normal hygiene practices.

Respiratory Protection (Specify Type)

Normally none required. If high vapor or mist concentrations are expected, use appropriate NIOSH approved respirator for organic vapors and mists.

SECTION IX ADDITIONAL INFORMATION

Additional Information

SHIPPING INFORMATION (CFR 49 AND IMDG):

PROPER SHIPPING NAME: Lubricating Oil, N.O.I.

DOT HAZARD CLASS : None required

DOT UN NUMBER : None required

IMDG SHIPPING NAME : Petroleum Lubricating Oil, N.O.I.

Flashpoint >160 F.

SARA TITLE III:

Section 302: None

Section 304: None

Section 311: Hazard categories-Fire Hazard=Yes

Section 313: None

SECTION IX ADDITIONAL INFORMATION (cont.)

Additional Information (cont.)

CERCLA:

Section 311(b)(4): Requires discharges of crude oil and petroleum products in any kind or form to waters must immediately be reported to the National Response Center at (800) 424-8802.

DISCLAIMER: Information presented herein is believed to be factual, as it has been derived from the works and opinions of persons believed to be qualified experts. However, nothing contained in this information is to be taken as warranty or representation for which the Gold Eagle Co. bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Prepared by: Mike Profetto
Date : 3/12/97

le the information and recommendations set forth herein are believed to be accurate as of the MSDS date, Corbus, a division of Compliance Management Systems, Inc., makes no warranties expressed or implied of fitness for a particular purpose with respect hereto and disclaims all liability from reliance thereon.

AMSOIL Material Safety Data Sheet

Date Issued/Revised: November 18, 2005
 Supersedes: June 22, 2005

Section 1: Product and Company Identification

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

AMSOIL Product Code AME
 Product Label Name Synthetic 15W40 12 TBN Heavy Duty Diesel and Marine Motor Oil
 Product Use Lubricating Oil

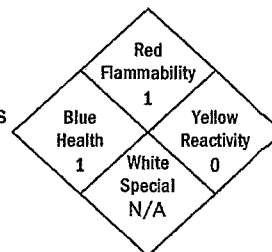
Section 2: Composition/Information on Ingredients

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

This product is not formulated to contain ingredients that have exposure limits exceeding those established by US agencies.

*See Section 8 for exposure limits.

NFPA & HMIS Rating



Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS: Minor eye, inhalation and skin irritant.

Section 4: First Aid Measures

- EYE:** Flush with water for 15-20 minutes. Seek medical attention if irritation develops.
- SKIN:** Wash immediately with soap and water. 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.

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES: Flash Point453°F(234°C)
 MethodCOC ASTM D-92
 LFL/UFL Not Determined
 Auto-ignition Temperature Not Determined

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

SPECIAL PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed surface cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water.

PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use 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: Keep containers closed. Avoid contact with eyes, skin or clothing. Wash hands after handling. Empty container may retain product residue which may exhibit hazards of product. **Warning:** Continuous contact with used motor oil has caused skin cancer in laboratory animal tests. Wash thoroughly after handling.

STORAGE: 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/m³ is suggested for oil mist.

Section 9: Physical and Chemical Properties

Physical State	Liquid
Boiling Point	Not Determined
Freezing/Melting Point	-44°F(-42°C)
Vapor Pressure	Not Determined
Vapor Density (Air=1)	Not Determined
Evaporation Rate	Not Determined
Solubility in Water	Negligible
Specific Gravity (Water=1)	0.8670
Density, lb./gal.....	7.219
Volatility (Volume)	Unknown
VOC.....	Unknown
pH.....	Not Determined
Coefficient of Water/Oil Distribution	Not Determined
Odor	Aromatic, Hydrocarbon Odor
Odor Threshold	Not Determined
Appearance.....	Light Amber Colored Liquid
Viscosity, cSt @ 100°C	14.44
Viscosity, cSt @ 40°C	89.65
Viscosity Index	167

Section 10: Stability and Reactivity

STABILITY: Stable under moderately elevated temperatures and pressures.

INCOMPATIBILITY: Avoid contact with strong oxidants.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: Toxic oxides of carbon, aldehydes and other products of incomplete combustion.

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 detail.

Section 12: Ecological Information

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

Section 13: Disposal Considerations

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Section 14: Transport Information

This product is not classified as hazardous material for DOT shipping. 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 ZSynthetic Base Stock (mist)
- TSCANot Applicable
- CERCLA 40 CFR 302.4.....Zinc and Compounds @ 1.48-2.63% RQ 1 lb.
- SARA Title III
 - Section 302 Extremely Hazardous.....Not Applicable
 - Section 311/312
 - Fire Hazard Yes
 - Reactive Hazard..... No
 - Release of Pressure..... No
 - Acute Health Hazard Yes
 - Chronic Health Hazard..... No
 - Section 313 Toxic Chemical.....Not Applicable

U.S. State Regulations

- California (Prop 65)
 - Does not contain chemicals known to the state of California to cause cancer.

International Regulations

- WHMISAll 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.

GLC-16

AMSOIL Material Safety Data Sheet

Date Issued/Revised: July 10, 2000
Supersedes: July 6, 1999

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

Product Code	GLC-16, NLGI #2 (Aerosol)
Label Name	High Temperature MP Synthetic Lithium Complex Grease Moly Fortified

Product Use LUBRICATING SPRAY GREASE

Section 2: Composition/Information on Ingredients

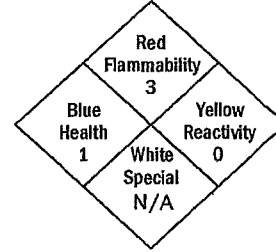
OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

1-Decene, Homopolymer, Hydrogenated Base, CAS# Mixture, appx wt 37-40%
ACGIH & OSHA PEL: 5mg/m³ (mist)

Antimony Dialkyldithiocarbamate, CAS# 15890-25-2, appx wt 1-2%
Heptane, CAS# 142-82-5, appx wt 25-30%
ACGIH & OSHA PEL: 400 ppm

Liquified Petroleum Gas, CAS# 68476-85-7, appx wt 25-30%
ACGIH & OSHA PEL: 1000 ppm

NFPA & HMIS Rating



*See Section 8 for exposure limits.

Section 3: Hazards Identification

WARNING! Extremely Flammable Liquid, vapor may cause flash fire
POTENTIAL HEALTH EFFECTS: Minor eye, inhalation and skin irritant.

*See Section 11 for toxicological information.

Section 4: First Aid Measures

- EYE: Flush with water for 15-20 minutes. Seek medical attention if irritation develops.
- SKIN: Wash immediately with soap and water. 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.

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES:

	GLC-16, NLGI #2 (Aerosol)
Flash Point	25°F(-4°C)

Method TCC (ASTM D-56)
LFL/UFL..... 1.1 / 6.7
Auto-ignition TemperatureNot Determined

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

AMSOIL Material Safety Data Sheet

Date Issued/Revised: July 10, 2000
Supersedes: July 6, 1999

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

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.

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 or other sharp object into opening on top of can. Avoid contact with eyes, skin or clothing. Wash hands after handling, container may retain product residue, which may exhibit hazards of product.

STORAGE: Store and use in cool well-ventilated areas. Do not store above 120°F. 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/m³ is suggested for oil mist.

Section 9: Physical and Chemical Properties

	GLC-16, NLGI #2
Physical State	Liquid
Boiling Point	-44° F- 500°F
Freezing/Melting Point	Not Applicable
Vapor Pressure	70 psig
Vapor Density (Air=1)	>1
Evaporation Rate	Not Determined
Solubility in Water	Negligible
Specific Gravity (Water=1)	<1
Density, lb./gal.	Not Applicable
Volatility (Volume)	50.0%
VOC	Unknown
pH	Neutral
Odor	Mild, Petroleum
Odor Threshold	Not Determined
Appearance	Red, viscous spray

AMSOIL Material Safety Data Sheet

Date Issued/Revised: July 10, 2000

Supersedes: July 6, 1999

Viscosity, cSt @ 100°C	Not Applicable
Viscosity, cSt @ 40°C	Not Applicable

Section 10: Stability and Reactivity

STABILITY: Stable. Avoid applications to hot surfaces.

INCOMPATIBILITY: Avoid contact with strong oxidants.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: May produce fume when heated to decomposition Toxic oxides of carbon, aldehydes and other products of incomplete combustion.

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.

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 as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Section 14: Transport Information

This product is not classified as hazardous material for DOT shipping. 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.....Components present hazard by definition of Hazard Communication Standard (1910. 1200)
- TSCA..... All components of this material are listed on the U.S. TSCA Inventory.
- CERCLA 40 CFR 302.4Zinc and Compounds@ 0-2%, Statutory RQ 1 lb
- 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 Antimony Dialkyldithiocarbamate 1-2%
.....Antimony 0.1-0.2%

U.S. State Regulations

- California (Prop 65)
 - Does not contain chemicals known to the state of California to cause cancer.

International Regulations

- WHMISAll 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.

GHD-14

AMSOIL Material Safety Data Sheet

Date Issued/Revised: June 18, 2003
Supersedes: March 20, 2003

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

Product Code	GHB, NLGI #1	GHD, NLGI #2
Label Name	EP HD Synthetic Lithium Complex Grease Moly Fortified	

Product Use.....LUBRICATING GREASE

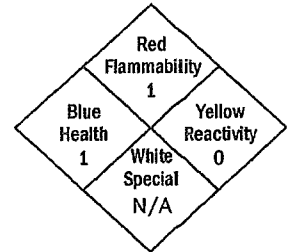
Section 2: Composition/Information on Ingredients

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

This product is not formulated to contain ingredients that have exposure limits exceeding those established by US agencies.

*See Section 8 for exposure limits.

NFPA & HMIS Rating



Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS: Minor eye, inhalation and skin irritant.

*See Section 11 for toxicological information.

Section 4: First Aid Measures

- EYE: Flush with water for 15-20 minutes. Seek medical attention if irritation develops.
- SKIN: Wash immediately with soap and water. 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.

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES:

	GHB, NLGI #1	GHD, NLGI #2
Flash Point	450°F(232°C)	450°F(232°C)

MethodCOC ASTM D-92
LFL/UFLNot Determined
Auto-ignition TemperatureNot Determined

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

Product Code: GHB, EP HD Synthetic Lithium Complex Grease Moly Fortified, NLGI #1
GHD, EP HD Synthetic Lithium Complex Grease Moly Fortified, NGLI #2

AMSOIL Material Safety Data Sheet

Date Issued/Revised: June 18, 2003
Supersedes: March 20, 2003

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: Keep containers closed. Avoid contact with eyes, skin or clothing. Wash hands after handling. Empty container may retain product residue which may exhibit hazards of product.

STORAGE: Keep away from heat or flame.

Section 8: Exposure Controls/Personal Protection

Chemical	%	OSHA PEL Limit
Antimony and Compounds	0-2	0.5 mg/m ³

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/m³ is suggested for oil mist.

Section 9: Physical and Chemical Properties

	GHB, NLGI #1	GHD, NLGI #2
Physical State	Semi-Solid	
Boiling Point	Not Determined	
Freezing/Melting Point	-0°F(-17°C)/500°F(260°C)	
Vapor Pressure	Not Determined	
Vapor Density (Air=1)	Negligible	
Evaporation Rate	Not Determined	
Solubility in Water	Negligible	
Specific Gravity (Water=1)	0.8900	
Density, lb./gal.	7.412	
Volatility (Volume)	Negligible	
VOC	Unknown	
pH	Essentially Neutral	
Odor	Mild, Bland, Hydrocarbon Odor	
Odor Threshold	Not Determined	
Appearance	Dark Purple Smooth Semi-Solid	
Viscosity, cSt @ 100°C	19.2	
Viscosity, cSt @ 40°C	151	

Product Code: GHB, EP HD Synthetic Lithium Complex Grease Moly Fortified, NLGI #1
GHD, EP HD Synthetic Lithium Complex Grease Moly Fortified, NGLI #2

Section 10: Stability and Reactivity

STABILITY: Stable under moderately elevated temperatures and pressures.

INCOMPATIBILITY: Avoid contact with strong oxidants.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: Toxic oxides of carbon, aldehydes and other products of incomplete combustion.

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.

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 detail.

Section 12: Ecological Information

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

AMSOIL Material Safety Data Sheet

Date Issued/Revised: June 18, 2003
Supersedes: March 20, 2003

Section 13: Disposal Considerations

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Section 14: Transport Information

This product is not classified as hazardous material for DOT shipping. For further information relative to spills resulting from transportation incidents, refer to the latest DOT Emergency Response Guidebook for Hazardous Materials.

Please Note: Antimony Compounds, inorganic liquid, n.o.s., Hazard Class 6.1, UN3141

Section 15: Regulatory Information

U.S. Federal Regulations

OSHA Table Z..... Synthetic Base Stock (mist) and Antimony and Compounds
TSCA Not Applicable
CERCLA 40 CFR 302.4 Antimony and Compounds @ 0-2% Statutory RQ 1 lb.
..... Zinc and Compounds@ 0-2%, Statutory RQ 1 lb

SARA Title III

Section 302 Extremely Hazardous Not Applicable
Section 311/312
Fire Hazard Yes
Reactive Hazard No
Release of Pressure No
Acute Health Hazard Yes
Chronic Health Hazard No
Section 313 Toxic Chemical Antimony and Compounds Listed

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.