





SAFETY DATA SHEET Synthetic Polymeric EP Grease NLGI #1

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200 and WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR).

1. Identification			
Product identifier			
Product name	Synthetic Polymeric EP Grease NLGI #1		
Product number	GPTR1		
Recommended use of the che	emical and restrictions on use		
Application	Lubricating grease.		
Uses advised against	No specific uses advised against are identified.		
Details of the supplier of the safety data sheet			
Supplier	AMSOIL INC. Bordner, Ladner, Gervais Scotia Plaza, 40 King St W Toronto, ON, Canada M5H 3Y4 T: +1 416-367-6547		
Manufacturer	AMSOIL INC. One AMSOIL Center, Superior, WI 54880, USA. T: +1 715-392-7101 compliance@amsoil.com		
Emergency telephone number	<u>[</u>		
Emergency telephone	CHEMTREC: Within USA and Canada: 1-800-424-9300 Outside the USA and Canada: +1 703-741-5970 (collect calls accepted) 24/7		
2. Hazard(s) identification			
Classification of the substance	e or mixture		
OSHA/WHMIS Regulatory Status	This Product is Hazardous under the OSHA Hazard Communication Standard and according to the hazard criteria of the Hazardous Product Regulations.		
Physical hazards	Not Classified		
Health hazards	Eye Irrit. 2A - H319		
Environmental hazards	Aquatic Chronic 3 - H412		
Label elements			
Pictogram			
Signal word	Warning		

Hazard statements	H319 Causes serious eye irritation.	
	H412 Harmful to aquatic life with long lasting effects.	
Precautionary statements	P264 Wash contaminated skin thoroughly after handling.	
	P273 Avoid release to the environment.	
	P280 Wear protective gloves, eye and face protection.	
	P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact	
	lenses, if present and easy to do. Continue rinsing.	
	P337+P313 If eye irritation persists: Get medical advice/ attention.	
	P501 Dispose of contents/ container in accordance with national regulations.	

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients	
Mixtures	
Hydrogenated base oil	50 - <75%
CAS number: 64742-65-0	
Classification	
Asp. Tox. 1 - H304	
Reaction products of 1-decene, 1-dodecene and 1-octene,	10 - <25%
hydrogenated	
CAS number: 163149-28-8	
Classification	
Asp. Tox. 1 - H304	
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	<3%
CAS number: 68649-42-3	
Classification	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Chronic 2 - H411	
The full text for all hazard statements is displayed in Section 16.	
Composition comments The exact percentage is withheld as a trade secret in accordance with 29 CFR 1	910.1200.
4. First-aid measures	

General information	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.

Ingestion	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop is the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie of belt.		
Skin Contact	Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.		
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 20 minutes.		
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue. If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.		
Most important symptoms and	l effects, both acute and delayed		
General information	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.		
Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.		
Ingestion	May cause discomfort if swallowed.		
Skin contact	Prolonged skin contact may cause temporary irritation. Repeated exposure may cause skin dryness or cracking.		
Eye contact	A single exposure may cause the following adverse effects: Redness. Irritation.		
Indication of immediate medic	al attention and special treatment needed		
Notes for the doctor	Treat symptomatically.		
5. Fire-fighting measures			
Extinguishing media			
Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire- extinguishing media suitable for the surrounding fire.		
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.		
Special hazards arising from t	he substance or mixture		
Specific hazards	None known.		
Hazardous combustion products	Hydrocarbons. Carbon monoxide (CO). Carbon dioxide (CO2). Oxides of nitrogen. Oxides of sulfur. Metal oxide(s).		
Advice for firefighters			

Protective actions during firefighting	Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves, that provides a basic level of protection during chemical incidents is defined by the Canada Occupational Health and Safety Regulations, by provincial guidelines on occupational health and safety or by NFPA standards if applicable.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Avoid contact with skin and eyes. Use protective equipment appropriate for surrounding materials.		
Environmental precautions			
Environmental precautions	Harmful to aquatic life with long lasting effects. Immiscible with water. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).		
Methods and material for cont	ainment and cleaning up		
Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Avoid generation and spreading of dust. Small Spillages: Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Large Spillages: If leakage cannot be stopped, evacuate area. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.		
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.		
7. Handling and storage			
Precautions for safe handling			
Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers. Avoid contact with used product.		
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.		

Conditions for safe storage,	including any incompatibilities		
Storage precautions	Store away from incompatible materials (see Section 10). Store in accordance with local regulations. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.		
Storage class	Chemical storage.		
Specific end uses(s)			
Specific end use(s)	The identified uses for this product are detailed in Section 1.		
8. Exposure Controls/person	al protection		
Control parameters			
Occupational exposure limits	3		
Comments	The following constituents are the only constituents of the product which have a PEL, TLV of other recommended exposure limit. At this time, the other constituents have no known exposure limits.		
The following exposure limits Long-term exposure limit (8- Short-term exposure limit (15	hour TWA): 5 mg/m³		
Exposure controls			
Appropriate engineering controls	Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimize worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimize exposure.		
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with OSHA 1910.133 and/or the Canadian regulation on health and safety at work, SOR/86-304, Part XII (12.6), and any relevant provincial regulation relating to health and safety at work. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.		
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and/or the Canadian regulation on health and safety at work, SOR/86-304, Part XII (12.9), and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.		
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.		
Hygiene measures	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When		

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out. Warn cleaning personnel of any hazardous properties of the product.

using do not eat, drink or smoke. Preventive industrial medical examinations should be carried

Respiratory protection Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134 and/or the Canadian regulation on health and safety at work, SOR/86-304, Part XII (12.7), and any relevant provincial regulation relating to health and safety at work. Gas and combination filter cartridges should comply with OSHA 1910.134 and/or the Canadian regulation relating to health and safety at work. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134 and/or the Canadian regulation on health and safety at work. SOR/86-304, Part XII (12.7), and any relevant provincial regulation relating to health and safety at work. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134 and/or the Canadian regulation on health and safety at work, SOR/86-304, Part XII (12.7), and any relevant provincial regulation relating to health and safety at work. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134 and/or the Canadian regulation on health and safety at work, SOR/86-304, Part XII (12.7), and any relevant provincial regulation relating to health and safety at work.

Environmental exposure Keep container tightly sealed when not in use. controls

9. Physical and Chemical Properties

Information on basic physical and chemical properties

	<u> </u>
Appearance	Grease.
Color	Purple.
Odor	Mild petroleum.
Odor threshold	Not available.
рН	Not available.
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	>530°F
Evaporation rate	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.867 g/cm3
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	68 cSt @ 40°C 9.44 cSt @ 100°C [ASTM D 445]
Explosive properties	Not considered to be
Oxidizing properties	Does not meet the crit
Fire point	>580°F
Volatile organic compound	This product contains

10. Stability and reactivity

10. Stability and reactivity		
Reactivity	See the other subsections of this section for further details.	
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.	
Possibility of hazardous reactions	No potentially hazardous reactions known.	
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.	
Materials to avoid	Oxidizing agents. Acids - oxidizing.	
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.	
11. Toxicological information		
Information on toxicological eff	fects	
Acute toxicity - oral Notes (oral LD₅o)	Based on available data the classification criteria are not met.	
Acute toxicity - dermal Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.	
Acute toxicity - inhalation Notes (inhalation LC ₅₀)	Based on available data the classification criteria are not met.	
Skin corrosion/irritation Animal data	Based on available data the classification criteria are not met.	
Serious eye damage/irritation Serious eye damage/irritation	Causes serious eye irritation.	
Respiratory sensitization Respiratory sensitization	Based on available data the classification criteria are not met.	
Skin sensitization Skin sensitization	Based on available data the classification criteria are not met.	
Germ cell mutagenicity Genotoxicity - in vitro	Based on available data the classification criteria are not met.	
Carcinogenicity Carcinogenicity	Based on available data the classification criteria are not met.	
IARC carcinogenicity	None of the ingredients are listed or exempt.	
Reproductive toxicity Reproductive toxicity - fertility	Based on available data the classification criteria are not met.	
Reproductive toxicity - development	Based on available data the classification criteria are not met.	
Specific target organ toxicity -	single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.	

Specific target organ toxicity - repeated exposure			
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.		
Aspiration hazard Aspiration hazard	Based on available data the classification criteria are not met.		
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.		
Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.		
Ingestion	May cause discomfort if swallowed.		
Skin Contact	Prolonged skin contact may cause temporary irritation. Repeated exposure may cause skin dryness or cracking.		
Eye contact	A single exposure may cause the following adverse effects: Redness. Irritation.		
Route of exposure	Ingestion Inhalation Skin and/or eye contact		
Target Organs	No specific target organs known.		
Medical considerations	Skin disorders and allergies.		
12. Ecological Information			
Toxicity	Harmful to aquatic life with long lasting effects.		
Persistence and degradability			
Persistence and degradability	The degradability of the product is not known.		
Bioaccumulative potential			
Bio-Accumulative Potential	No data available on bioaccumulation.		
Partition coefficient	Not available.		
Mobility in soil			
Mobility	The product is insoluble in water.		
Other adverse effects			
Other adverse effects	None known.		
13. Disposal considerations			
Waste treatment methods			
General information	The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.		
Disposal methods	Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.		

14. Transport information	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT, TDG).
UN Number	
Not applicable.	
UN proper shipping name	
Not applicable.	
Transport hazard class(es)	
Transport labels No transport warning sign required.	
Packing group	
Not applicable.	
Environmental hazards	
Environmentally Hazardous Substance No.	
Special precautions for user	
Not applicable.	
DOT TIH Zone	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
15. Regulatory information	
Regulatory References	OSHA Hazard Communication Standard 29 CFR §1910.1200 Hazardous Products Regulation (SOR/2015-17) Transportation of Dangerous Goods Regulations -SOR/2015-100.
US Federal Regulations	
SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities None of the ingredients are listed or exempt.	
CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA) The following ingredients are listed or exempt:	
<i>Naphthalene</i> Final CERCLA RQ: 100(45.4) pounds (Kilograms)	
<i>Dibutyl phthalate</i> Final CERCLA RQ: 10(4.54) pounds (Kilograms)	
SARA Extremely Hazardous Substances EPCRA Reportable Quantities None of the ingredients are listed or exempt.	
SARA 313 Emission Reporting The following ingredients are listed or exempt:	
Naphthalene 0.1 %	

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts 1.0 % Dibutyl phthalate 1.0 %

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

The following ingredients are listed or exempt:

Naphthalene

Known to the State of California to cause cancer.

Dibutyl phthalate Known to the State of California to cause developmental, female and male reproductive toxicity.

California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed or exempt:

Naphthalene

Dibutyl phthalate

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

The following ingredients are listed or exempt:

Naphthalene

Dibutyl phthalate

Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

Naphthalene

Dibutyl phthalate

Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

Naphthalene

Dibutyl phthalate

Minnesota "Right To Know" List

The following ingredients are listed or exempt:

Naphthalene

Dibutyl phthalate

New Jersey "Right To Know" List

The following ingredients are listed or exempt:

Naphthalene

Dibutyl phthalate

Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

Naphthalene

Dibutyl phthalate

Inventories

Canada - DSL/NDSL

All the ingredients are listed or exempt.

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

16. Other information

Abbreviations and acronyms used in the safety data sheet	C.A.S. = Chemical Abstracts Service; E.C. No = European Commission number; GHS = Globally Harmonised System; OSHA = Occupational Safety and Health Administration; WHMIS = Workplace Hazardous Materials Information System; DOT = Department of Transport; TDG = Transport of Dangerous Goods Regulations; IMDG = International Maritime Dangerous Goods; IATA = International Air Transport Association; SARA = Superfund Amendments and Reauthorization Act; CERCLA = Comprehensive Environmental; EPCRA = Emergency Planning and Community Right-to-Know Act; TSCA = Toxic Substances Control Act; LD/LC/EC = Lethal Dose,Lethal Concentration/Effect Concentration for 50% of population; NOEC = No Overall Effect Concentration; NOEL = No Overall Effect Level; REACH = Registration, Evaluation, Authorisation & Restriction of Chemicals; STOT-RE = Single Target Organ Toxicity - Repeat Exposure; STOT-SE= Specific Target Organ Toxicity - Single Exposure; PBT = Persistent, Bioaccumulative, Toxic; vPvB = Very Persistent, Very Bioaccumulative.
Classification abbreviations and acronyms	Eye Irrit. = Eye irritation
Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/
Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
Revision comments	This is the first issue.
Revision date	6/7/2018
SDS No.	7628
Hazard statements in full	 H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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