

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**Product Information**

Product Name: Choice Gear 85W-140
Product Description: Petroleum Oil; Lube Oil; Petroleum Hydrocarbon; Lubricant
Intended Use: Gear Oil
Product Code: 0004

Company Identification

Supplier: PetroChoice, Inc
1009 Schieffelin Rd.
Apex, NC 27502

Supplier General Contact Number: 1-800-545-1257
Emergency Number: PERS 1-800-633-8253

SECTION 2: HAZARDS IDENTIFICATION

This product is not considered hazardous according to OSHA criteria.

GHS LABEL ELEMENTS

Hazard Pictograms: None

PRECAUTIONARY STATEMENTS

Prevention: Avoid release to the environment.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other Hazards: The mixture consists of substances capable of producing an aspiration hazard. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure, and even death.

Unknown Acute Toxicity (GHS-US): 17.29 % of the mixture consists of ingredient(s) of unknown acute toxicity

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	% (w/w)	Classification (GHS-US)
Polybutene (Isobutylene/ utane copolymer)	9003-29-6	64 – 85, 0 – 10	Not Classified
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	0 – 10	Not Classified
Dec-1-ene, homopolymer hydrogenated	68037-01-4	0 – 11, 10 – 17, 27 – 39	Aspiration Hazard 1, H304
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	0 – 2.7	Aquatic Chronic 3, H402

*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

*More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

GENERAL: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

INHALATION: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

SKIN CONTACT: Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

EYE CONTACT: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

INGESTION: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

ACUTE/DELAYED SYMPTOMS AND EFFECTS

General: No known significant effects or critical hazards.

Inhalation: Overexposure may be irritating to the respiratory system.

Skin Contact: Repeated or prolonged skin contact may cause irritation.

Eye Contact: Direct contact with the eyes is likely irritating.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: No known significant effects or critical hazards.

If you feel unwell, seek medical advice (show the product label where possible)

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Inappropriate Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

FIRE FIGHTING

Fire Fighting Instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present. Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.

FIRE AND EXPLOSION HAZARDS

Fire Hazard: Not flammable but will support combustion.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Refer to Section 9 for Flammability Properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

ENVIRONMENTAL PRECAUTIONS

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Additional Hazards When Processed: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Practice good housekeeping – spillage can be slippery on smooth surface either wet or dry.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Specific End Use(s): Gear Oil.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

EXPOSURE CONTROLS

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles. Gloves.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
GENERAL INFORMATION

Physical State	Liquid
Color	Amber
Odor	Slight Hydrocarbon
Odor Threshold	N/A

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Molecular Weight	Not applicable
Specific Gravity	0.85
Vapor Density	Not available
Vapor Pressure	Not available
Relative Density	0.89 g/cm ³ at 60°F (15.5°C)
Initial Boiling Point	Not available
Boiling Range	Not available
Freezing/Melting Point	Not available
pH	Not applicable
Evaporation Rate	Not available
Solubility In Water	Insoluble
Flash Point	400°F (204°C)
Flammability	Not available
Flammable Limits In Air	LOWER- Not available UPPER- Not available
Autoignition Temperature	Not available
Explosion Data- Sensitivity to Mechanical Impact	Not expected to present an explosion hazard due to mechanical impact
Explosion Data- Sensitivity to Static Discharge	Not expected to present an explosion hazard due to static discharge

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Hazardous reactions will not occur under normal conditions.

CHEMICAL STABILITY: Stable under recommended handling and storage conditions (see section 7).

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

CONDITIONS TO AVOID: Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

INCOMPATIBLE MATERIALS: Strong acids, strong bases, strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition expected under normal use and storage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION
INFORMATION ON TOXICOLOGICAL EFFECTS – PRODUCT

Acute Toxicity	Not classified
LD50 and LC50 Data	Not available
Skin Corrosion/Irritation	Not classified
Eye Damage/Irritation	Not classified
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Teratogenicity	Not classified
Carcinogenicity	Not classified
Specific Target Organ Toxicity (Repeated Exposure)	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity (Single Exposure)	Not classified
Aspiration Hazard	Not classified

Symptoms/Injuries After Inhalation: Overexposure may be irritating to the respiratory system.

Symptoms/Injuries After Skin Contact: Repeated or prolonged skin contact may cause irritation.

Symptoms/Injuries After Eye Contact: Direct contact with the eyes is likely irritating.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse gastrointestinal effects.

Chronic Symptoms: Not Classified

INFORMATION ON TOXICOLOGICAL EFFECTS – INGREDIENT(S)
LD50 and LC50 Data:

Polybutene (Isobutylene/ utane copolymer) (9003-29-6)	
LD50 Oral Rats	> 30 g/kg
LD50 Dermal Rabbits	> 10 g/kg
Dec-1-ene, homopolymer hydrogenated (68037-01-4)	
LD50 Oral Rat	> 5 ml/kg
LD50 Inhalation Rat	1,17 mg/l (exposure time 4 hours)
LD50 Dermal Rabbit	> 3 g/kg
Petroleum distillates, hydrotreated heavy naphthenic (64741-52-5)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 5000 mg/kg
LD50 Inhalation Rat	> 5 mg/l (exposure time 4 hours)

SECTION 12: ECOLOGICAL INFORMATION
TOXICITY

Ecology – General: Toxic to aquatic life.

Dec-1-ene, homopolymer hydrogenated (68037-01-4)	
LL50 Fish	> 1000 mg/l (Exposure time 48 hours; Species Daphnia Magna)
EL50 Algae	> 1000 mg/l (Exposure time 72 hours; Species Scenedesmus)
NOEC Daphnia	125 mg/l (Exposure time 21 days: Species Daphnia Magna)

SECTION 12: ECOLOGICAL INFORMATION (Continued)

PERSISTENCE AND DEGRADABILITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS
WASTE TREATMENT METHODS

Sewage Disposal Recommendations: Do not empty into drains; dispose of this material and its container in a safe way. Do not empty into drains. Do not dispose of waste into sewer.

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: TRANSPORT INFORMATION

LAND (DOT): Not regulated for transport

LAND (TDG): Not regulated for transport

IATA: Not regulated for transport

IMDG: Not regulated for transport

SECTION 15: REGULATORY INFORMATION
US FEDERAL REGULATIONS

SARA Section 311/312 Hazard Classes	Not Classified
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US STATE REGULATIONS

None noted

CANADIAN REGULATIONS

WHMIS Classification	Not Classified
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision B – Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION**GHS Full Text Phrases:**

H304	May be fatal if swallowed and enters airways.
H402	Harmful to aquatic life.
P273	Avoid release into the environment
P501	Dispose of contents/container in accordance with local, regional, national, and international regulations.

Disclaimer:

The information and recommendations contained within this document are believed by PetroChoice to be accurate and reliable as of the date prepared. The information and recommendations are offered for the user's consideration and analysis and in no way guarantee the chemical specifications for the specified product. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense arising out of the product's improper use. The user should consider the information in this document in the context of how the selected product will be handled and used in conjunction with other products. It is the user's responsibility to determine that the product is suitable for the intended use.

Appropriate warnings and safe-handling procedures should be provided to all handlers and users. PetroChoice assumes no responsibility for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices within this document.