

SAFETY DATA SHEET



PAO Based Synthetic Gear Oil HG3-220

Section 1. Identification

Product identifier : Pao Based Synthetic Gear Oil HG3-220
Product type : Liquid
Product use : Gear Oil
Supplier : PodLee International LTD.
ADD : 7400 S Miller Rd, Buckeye, AZ 85326, USA
EMERGENCY TELEPHONE NUMBER : +1 213 9868879

Section 2. Composition/information on ingredients

Ingredient name	:	CAS number	%
PAO	:	68649-77-2	70-90
ZDDP	:	68649-42-3	1-3
BHT	:	128-37-0	0.1-1
Silicone Oil	:	63148-62-9	0.001-0.01

Section 3. Hazards identification

Classification of the substance or mixture : Not classified
GHS label elements :
Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.
Precautionary statements
Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.
Other hazards : Defatting to the skin.

Section 4. First aid measures

Skin contact : Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
Eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.
Inhalation : If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Specific treatments : No specific treatment.

Section 5. Firefighting measures

- Specific hazards arising** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Combustion products may include the following: carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide)
- Extinguishing media**
- Suitable extinguishing media** : In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.
- Unsuitable extinguishing media** : Do not use water jet.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Small spill Methods and material for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after

handling. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
- Not suitable** : Prolonged exposure to elevated temperature.

Section 8. Exposure controls/personal protection

- Appropriate engineering controls** : Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.
- Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment.
- Eye/face protection** : Safety glasses with side shields.
- Hand protection** : Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves.
- Skin protection** : Use of protective clothing is good industrial practice.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9. Physical and chemical properties

- Colour** : Amber. [Light]
- Odour** : Not available
- Flash point** : Open cup: > 235 °C (> 455 °F) [Cleveland ASTM D 92]
- Vapour pressure** : mmHg@20°C: < 0.1
- Viscosity** : Kinematic: 220 mm²/s (220 cSt) at 40 °C

Section 10. Stability and reactivity

Chemical stability	:	The product is stable.
Incompatible materials	:	Strong oxidizing materials.
Conditions to avoid	:	Avoid all possible sources of ignition (spark or flame).
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Information on likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : Vapour inhalation under ambient conditions is not normally a problem due to low vapour pressure.

Skin contact : Defatting to the skin. May cause skin dryness and irritation.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following: irritation, dryness, cracking

Ingestion : No specific data.

Section 12. Ecological information

Toxicity : No known significant effects or critical hazards.

Environmental effects

Persistence/degradability : Expected to be biodegradable.

Bioaccumulative potential : No specific data.

Other ecological information : Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimised wherever possible.
Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not

feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

UN number : Not regulated.
Code of Dangerous Goods : Not regulated.
Packing group : II
Special precautions for user : Not available.

Section 15. Regulatory information

International regulations

Chemical Weapon Convention List Schedules I, II & III chemicals : Not listed.
Montreal Protocol : Not listed.
Stockholm Convention on Persistent Organic Pollutants : Not listed.
Rotterdam Convention on Prior Informed Consent (PIC) : Not listed.
UNECE Aarhus Protocol on POPs and Heavy Metals : Not listed.
Safety, health and environmental regulations specific for the product : No known specific national and/or regional regulations applicable to this product (including its ingredients).
Regulation according to other foreign laws : All components are active or exempted.
United States inventory (TSCA 8b) : All components are active or exempted.
Australia inventory (AHC) : All components are active or exempted.
Canada inventory : All components are active or exempted.
China inventory (IECSC) : All components are active or exempted.
Japan inventory (CSCL) : All components are active or exempted.
Korea inventory (KECI) : All components are active or exempted.
Philippines inventory (PICCS) : All components are active or exempted.
Taiwan Chemical Substances Inventory (TCSI) : All components are active or exempted.

Section 16. Other information

History

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Notice to reader

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