

<u>Material Safety Datasheet</u>

Advanced Technology Synthetic Motor Oil

(021) 845 94 666 | general@globalpetroamerica.com | @gpalubricants

1. MATERIAL AND SUPPLIER IDENTIFICATION

Product Information

Name	GPA Industrial Gear Oil 150, 220, 320, 460, 680			
Product Use	Industrial Gear Oil			
Company Name	PT. Global Gemilang Sukses			
Company Address	Ruko Kranggan Permai Blok RT 15, No. 9-10, Cibubur, Jakarta Timur, Indonesia.			
Telephone number / Fax	(021) 845 94 667 (phone) (021) 845 94 573 (fax)			
Other Information	Not applicable			

2. HAZARDS IDENTIFICATION

Classification

Classified as NOT HAZARDOUS

HSNO Category

Lubricants (Low Hazard) Group Standard 2006HSNO Approval Number: HSR002605

PHYSICAL/CHEMICAL HAZARDS

No significant hazards.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition Information

Contains Petroleum Distillates and Additives

Ingredients	CAS#	Proportion		
		450/ 200/		
Complex Mixture of Additives Highly Refined Base Oil	N/A	15% – 20% 80% - 85%		

4. FIRST AID MEASURES

Inhaled

Remove the affected person from the contaminated area to fresh air. If breathing difficulties persist seek medical attention. If not breathing apply artificial respiration and seek urgent medical advice.



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Ingestion

Do not induce vomiting. In general no treatment is necessary unless large amount of products are ingested. Seek medical attention. Rinse mouth out with water, then drink sips of water to remove taste from mouth. If victim is coughing, choking, has shortness of breath and / or difficulty of breathing seek medical clinic immediately.

Skin

Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation develops and persists seek medical attention.

Eye

If contact occurs, wash with running water for 30 minutes, holding eyelids open. If irritation develops and persists seek medical attention.

First Aid Facilities

Eye wash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

5. FIREFIGHTING MEASURES

Flash Point [Method]:

>225 °C / 437°F

Extinguishing Media

Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Do not use straight streams of water.

Fire Fighting

Fire Fighting Instruction: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewer, or

drinking water supply.

Unusual Fire Hazards: Pressurized mists may form a flammable mixture.

Hazardous Combustion Products : Aldehydes, incomplete combustion products, Oxides of carbon, smoke,

Fume, Sulphur Oxides.

6. <u>ACCIDENTAL RELEASE</u> MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment. Extinguish or remove all sources of ignition and stop leak if safe to do so. Contain the spill with sand or earth or absorb with absorbent material. Collect the material and place into a suitably sealed and labeled container. Do not allow the product to enter drains, sewers or water courses. If large quantities of this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.



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7. HANDLING AND STORAGE

Handling

Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders such as dermatitis due to defatting effect.

Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Do not pressurize or expose to open flame or heat. Keep container closed when not in use.

Storage

Keep container tightly closed when not in use and during transport. Store containers in a cool, dryplace. Store locked up. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Work safe Exposure Standard : Time-	5mg/m³	(Oil Mist)
Weighted Average (TWA)		
Short Term Exposure Limit (STEL)	5mg/m³	(Oil Mist)

Respiratory Protection

Avoid breathing vapours or mists. Where ventilation is inadequate and vapours or mists are generated the use of an approved respirator with organic vapour/particulate filter

Eye Protection

Avoid contact with eyes. When exposure is likely wear suitable eye protection.

Hand Protection

Wear gloves of impervious material if handling material for prolonged periods. Use of natural rubber gloves is not recommended.

Body Protection

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated.

Engineering Controls

Natural ventilation should be sufficient, however where vapours or mists are generated (either through confinement or elevated temperatures) the use of a local exhaust system is recommended.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Product	IGO 150	IGO 220	IGO 320	IGO 460	IGO 680	
Appearance /	ASTM L3.5	ASTM L4.0	ASTM L4.5	ASTM L5.0	ASTM L5	
Description						
Boiling Point	>280°C (Estimated Value)					
Solubility in Water	Negligible					
Specific Gravity	Typically	Typically	Typically	Typically 0.92	Typically 0.94 g/mL	
	0.88 g/mL	0.898 g/mL	0.91 g/mL	g/mL		
Solubility in other	Data Not Available					
solvents						
Viscosity	>155 mm/s	209 mm/s	>320 mm/s	>450 mm/s @	> 170 mm/s @ 40°C	
	@ 40°C	@ 40°C	@ 40°C	40°C (104°F)	(104°F) Minimum	
	(104°F)	(104°F)	(104°F)	Minimum		
	Minimum	Minimum	Minimum			
Flash Point	>228°C	>228°C	>230°C	>232°C	>230°C	
Flammability	Classified as a Class C2 combustible liquid					

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Hazardous Polymerization

Will not occur

Materials to Avoid

Avoid oxidizing agents, acids, and reactive halogens.

Hazardous Decomposition Products

None under normal temperatures and pressures.

Hazardous Reaction

Hazardous reaction with strong oxidizing agents

Conditions to Avoid

Avoid sparks or flame when not in use.

11. TOXICOLOGICAL INFORMATION

Toxicological Information

No toxicity data is available for this material. Data available on the individual components show that no chronic health risks are expected during normal handling.



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Inhalation

May cause irritation to the mucous membrane and upper airways when material is heated and used in poorly ventilated areas. Symptoms may include headache, dizziness and nausea

Ingestion

May cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhea

Skin

Prolonged contact may cause irritation of the skin, which may result in redness and/or itchiness, possibly leading to dermatitis

Eye

May cause eye irritation, resulting in redness, stinging, and lachrymation

Chronic Effects

Prolonged or repeated contact with this material may result in skin irritation leading to dermatitis.

12. ECOLOGICAL INFORMATION

No ecological data is available for this material.

Environmental Protection

Prevent this material from entering the environment

Ecotoxicity

Not expected to harmful to aquatic life

Persistence / Degradability

Does not readily biodegrade,

Mobility

No data is available for this specific product.

Bioaccumulation

Base oil component. Has the potential to bioaccumulate. However the physical properties may reduce the bioconcentration or limit bio availability.

13. DISPOSAL CONSIDERATIONS

Waste & Product Disposal

Recycle or dispose of in accordance with prevailing regulations, by a recognized collector or contractor. The competence of the contractor to deal satisfactorily with this type of product should be established beforehand.

Do not pollute the soil, water or environment with the waste product.

Container Disposal

Recycle container if authorities permit it and facilities are available.



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14. TRANSPORT INFORMATION

USA DOT : NOT CLASSIFIED AS A DANGEROUS GOOD.

RID/ADR : Unregulated IMO : Unregulated IATA : Unregulated

15. REGULATORY INFORMATION

In accordance with the U.S Superfund Amendment and Reauthorization Act (SARA), the product does not contain "Extremely Hazardous Materials"

SARA 313 Reportable Hazard Categories : None

16. OTHER INFORMATION

The conditions and suitability of the product for certain usage is NOT within the company's guarantee; all risks of product use is borne by the user. Warning signs and procedures MUST be handled by professionals and assigned officers. It is forbidden to edit this document without the proper legal approval and agreement.

Disclaimer

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