

Safety Data Sheet Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830.

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1	Product Identifier Product name Product description	POWEROIL GEAR 80W 90, API GL 4 Gear Oil
	Product type	Liquid
1.2	Identified uses Distribution of substance	Industrial
	Formulation & (re)packing of substances and mixtures Manufacture of substance Functional Fluids	Industrial Industrial Industrial
1.3 Details of the supplier of the safety data sheet		ry data sheet
	Supplier/Manufacturer	APAR Industries Limited 18 T.T.C., M.I.D.C. Industrial Area , Thane Belapur Road , Rabale, Navi Mumbai – 400701. India. +91 22 61110444 (Office hours 9.30am to 17.00pm) www.apar.com
	e- mail address of person	hse@apar.com
	responsible for this SDS	
1.4	Emergency telephone number	+91 9833811132

SECTION 2 HAZARDS IDENTIFICATION 2.1 Classification of the substance or mixture

Product definition Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Asp. Tox. 1, H304

Signal word

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

2.2 Label elements

Hazard pictograms



Danger H 304 · May be fatal if swallowed and enters airw

Hazard statements	H 304 : May be fatal if swallowed and enters airways.
Precautionary statements	Not applicable
Prevention	P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce
Response	vomiting.
Storage	P405 - Store locked up.
Disposal	P501 - Dispose of contents/container in accordance with all local, regional, national and international regulations.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII Not applicable

Not applicable



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SECTION 3 COMPOSTION/ INFORMATION ON INGREDIENTS

3.2 Mixtures	Mixture			
Product/Ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Туре
Distillate (petroleum), hydro treated Heavy Paraffinic, C24-50 Solvent Extd. dewaxed	CAS: 64742-54-7,	60 - 65	Asp. Tox. 1, H304	[1]
Hydrogenated.	CAS : 64742-01-4	35 - 40	Skin Irrit. 2, H315 Eye Dam.	[1]
Alkyl phosphate	Proprietary		1, H318	
Long-chain alkenyl amine (Additive)	Proprietary	1-2,4	Aquatic Chronic 2, H411	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section. <u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

SECTION 4 FIRST AID MEASURES	
4.1 Description of first aid measures	
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue
Inhalation	rinsing. If irritation, blurred vision or swelling occurs and persists, obtain medical advice from a specialist. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If casualty is unconscious and: If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe. Maintain an open airway.
Skin contact	Wash with soap and water. Remove contaminated clothing and shoes. Handle with care and dispose of in a safe manner. Seek medical attention if skin irritation, swelling or redness develops and persists. Accidental high pressure injection through the skin requires immediate medical attention. Do not wait for symptoms to develop.
Ingestion	Always assume that aspiration has occurred. Do not induce vomiting. Can enter lungs and cause damage. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Seek professional medical attention or send the casualty to a hospital. Do not wait for symptoms to develop. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
Protection of first-aiders	Before attempting to rescue casualties, isolate area from all potential sources of ignition including disconnecting electrical supply. Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects				
Eye contact	Eye contact may cause redness and transient pain.			
Inhalation	Inhalation of oil mist or vapours at elevated temperatures may cause respiratory irritation.			
Skin contact	No known significant effects or critical hazards.			
Ingestion	May be fatal if swallowed and enters airways.			
4.3 Indication of any immediate medical attention and special treatment needed				
Notes to physician	Due to low viscosity there is a risk of aspiration if the product enters the lungs. Treat symptomatically.			
Specific treatments	Always assume that aspiration has occurred.			



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SECTION 5 FIRE FIGHTING MEASURES 5.1 Extinguishing media Dry chemicals. Foam. Carbon dioxide (CO₂). Water spray or foam. Suitable extinguishing media Do not use direct water jets on the burning product; they could cause splattering and spread the fire. Unsuitable extinguishing media Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. 5.2 Special hazards arising from the substance or mixture Hazards from the substance In a fire or if heated, a pressure increase will occur and the container may burst. or mixture This substance will float and can be reignited on surface water. Hazardous thermal Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, decomposition products gases, including carbon monoxide, H2S, SOx (sulfur oxides) or sulfuric acid and unidentified organic and inorganic compounds. 5.3 Advice for firefighters Special precautions for firefighters Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Special protective equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. SECTION 6 ACCIDENTAL RELEASE MEASURES 6.1 Personal precautions, protective equipment and emergency procedures Avoid breathing vapour or mist. Keep non-involved personnel away from the area of spillage. Alert For non-emergency personnel emergency personnel. Except in case of small spillages, the feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency. Stop leak if safe to do so. Avoid direct contact with the product. Stay upwind/keep distance from source. In case of large spillages, alert occupants in downwind areas. Eliminate all ignition sources if safe to do so. Spillages of limited amounts of product, especially in the open air when vapours will be usually quickly dispersed ,are dynamic situations, which will presumably limit the exposure to dangerous concentrations. Note : recommended measures are based on the most likely spillage scenarios for this material; however, local conditions (wind, air temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions. For emergency responders For this reason, local experts should be consulted when necessary. Local regulations may also prescribe or limit actions to be taken. Small spillages: normal antistatic working clothes are usually adequate. Large spillages: full body suit of chemically resistant and thermal resistant material should be used. Work gloves providing adequate chemical resistance, specifically to aromatic hydrocarbons. Note : gloves made of PVA are not water-resistant, and are not suitable for emergency use. Safety helmet, antistatic non-skid safety shoes or boots. Goggles and /or face shield, if splashes or contact with eyes is possible or anticipated. Respiratory protection : A half or full-face respirator with filter(s) for organic vapours (and when applicable for H2S) a Self Contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure. If the situation cannot be completely assessed, or if an oxygen deficiency is possible, only SCBA's should be used. Prevent product from entering sewers, rivers or other bodies of water. If necessary dike the product with **6.2** Environmental precautions dry earth, sand or similar non-combustible materials. In case of soil contamination, remove contaminated soil and treat in accordance with local regulations. In case of small spillages in closed waters (i.e. ports), contain product with floating barriers or other equipment. Collect spilled product by absorbing with specific floating absorbents. If possible, large spillages in open waters should be contained with floating barriers or other mechanical means. If this is not possible, control the spreading of the spillage, and collect the product by skimming or other suitable mechanical means. The use of dispersants should be advised by an expert, and, if required, approved by local authorities.



6.3 Methods and material for containment

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Appropriate engineering construction of nationing equipment. Store under recommended conditions and it neared, temperature		
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Appropriate engineering construction of handling equipment. Store under recommended conditions and if heated, temperature	8.2 Exposure Control	performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required. Mechanical ventilation and local exhaust will reduce exposure via the air. Use oil resistant material in
	Appropriate engineering	construction of handling equipment. Store under recommended conditions and if heated, temperature



Safety Data Sheet Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830.

Controls	control equipment should be used to avoid overheating.
Individual protection measures	Wash hands, forearms and face thoroughly after handling chemical products,
Hygiene measures	before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash
Tygiene measures	stations and safety showers are close to the workstation location. Wash contaminated clothing before reuse.
Eye/face protection	Recommended: Safety glasses with side shields.
Skin protection	
Hand protection	4 - 8 hours (breakthrough time): nitrile rubber
Body protection	Wear protective clothing if there is a risk of skin contact. Change contaminated clothes at the end of
body protection	working shift.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and
Respiratory protection	the safe working limits of the selected respirator. Use a properly fitted, particulate filter respirator complying
	with an approved standard if a risk assessment indicates this is necessary.
	Emissions from ventilation or work process equipment should be checked to ensure they comply with the
Environmental evaceure controle	requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering
Environmental exposure controls	modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
SECTION 9 PHYSICAL AND C	HEMICAL PROPERTIES
Appearance	Clear
Physical state	Liquid
Color	Brown
Odor	Gear oil odor
Odor threshold	Not available
рН	Not applicable
Melting point/Pour point	< -18°C (ASTM D-97)
Flash point	> 190°C ,COC (ASTM D 92)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Flammability limits in air,	Not available
lower, % by volume	
Flammability limits in air,	Not available
upper, % by volume	
Vapour pressure	≤ 0,1 hPa (20 °C) (Mineral oil, ASTM D 5191) (CONCAWE, 2010)
Density	0.90 max at 15°C
Solubility(ies)	
Solubility (water)	Insoluble in water
Partition coefficient	Not available
(n-octanol/water)	
Decomposition temperature	No Data
Auto-ignition temperature	> 300°C
Viscosity, Kinematic at 40°C (104°F)	160 mm²/s (40 °C) (ASTM D445)
Explosive properties	No Data
Oxidising properties	No Data
	Not available
SECTION 10 STABILITY AND R	< 3%
10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredients.
	Stable under normal conditions
10.2 Chemical stability	Under normal conditions of storage and use, hazardous reactions will not occur.
10.3 Possibility of hazardous	Oxidising agent.
Reactions	Keep away from extreme heat and oxidizing agents.
10.4 Conditions to avoid	Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates,
10.5 Incompatible materials	gases, including carbon monoxide, H2S, SOx (sulfur oxides) or sulfuric acid and unidentified organic and
	server, instance carbon intervente, intervente or carbon on data in a direct met organic and

gases, including carbon monoxide, H2S, SOx (sulfur oxides) or sulfuric acid and unidentified organic and inorganic compounds. 10.6 Hazardous decomposition

products



SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure	
Distillate (petroleum), hydro treated Heavy	LC50 Inhalation Dusts and mists	Rat	>5.53 mg/l	4 hours	
Paraffinic, C 24-50 solvent dewaxed	LD50 Dermal Rabbit >5000 mg/kg		-		
hydrogenated	LD50 Oral	Rat	>5000 mg/kg	-	
	LC50 fish 1	Fish 1	4,4 mg/l	96 hours	
Alkyl phosphate	EC50 Daphnia 1	Daphnia 1	5,4 mg/kg	48 hours	
Long-chain alkenyl amine	C; R34	Fish 1	2.1mg/kg	96 hours	
	LC50/	Rat	4,4 mg/kg		
	LD50				
Irritation/Corrosion					
Skin	No known significant effects or critical				
Eye	No known significant effects or critical				
Respiratory Sensitisation	No known significant effects or critical	nazaros.			
Skin	No known significant effects or critical	hazarde			
Respiratory	No known significant effects or critical				
<u>Mutagenicity</u>	-		ent at greater than 0.1%	are mutagenic or	
<u></u>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.				
SECTION 11 TOXICOLOGICAL IN	-				
Carcinogenicity	The base oil(s) in this product is based on an severely hydrotreated distillate. The product should not be				
	regarded as a carcinogen.				
Reproductive toxicity	Contains no ingredient listed as toxic to	reproduction			
Specific target organ toxicity	Not classified				
- single exposure					
Specific target organ toxicity	Not classified				
- repeated exposure					
Aspiration hazard	Aspiration hazard - Category 1				
Information on likely routes of exposure	Not available.				
Potential acute health effects					
Eye contact	Eye contact may cause redness and trar	isient pain.			
Inhalation	Inhalation of oil mist or vapours at eleva	ated temperatures may	cause respiratory irritation	on.	
Skin contact	No known significant effects or critical	hazards.			
Ingestion	May be fatal if swallowed and enters air	ways.			
Potential chronic health effects					
General	No known significant effects or critical	hazards.			
Carcinogenicity	The base oil(s) in this product is based		eated distillate. The proc	luct should not be	
Careniogenieny	regarded as a carcinogen.				
Mutagonicity	No known significant effects or critical	bozorda			
Mutagenicity	•				
Teratogenicity	No known significant effects or critical				
Product/ingredient name	No known significant effects or critical hazards.				
Fertility effects	No known significant effects or critical	hazards.			
Other information	Not available.				
Specific hazard					
SECTION 12 ECOLOGICAL INFOR	RMATION				
12.1 Toxicity	Not expected to be harmful to aqua	atic organisms.			
12.2 Persistence and degradability	Not inherently biodegradable				

12.2 Persistence and degradability	Not inherently biodegradable.
12.3 Bioaccumulative potential	Bioaccumulation is unlikely to be significant because of the low water solubility of this product.
12.4 Mobility in soil	Not considered mobile.



Safety Data Sheet Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830.

12.5 Results of PBT & vPvB Assessment 12.6 Other adverse effects

Not applicable.

Insoluble in water. Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

SECTION 13 DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be

consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Methods of disposal

Product

Where possible (e.g. in the absence of relevant contamination), recycling of used substance is feasible and recommended. This substance can be burned or incinerated, subject to national/local authorizations, relevant contamination limits, safety regulations and air quality legislation. Contaminated or waste substance (not directly recyclable): Disposal can be carried out directly, or by delivery to qualified waste handlers. National legislation may identify a specific organization, and/or prescribe composition limits and methods for recovery or disposal. Yes

Hazardous waste

SECTION 13 DISPOSAL CONSIDERATIONS

European waste catalogue (EWC)

Waste code	Waste designation	
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils	
D. L. C.		

Packaging

Methods of disposal

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14 TRANSPORT INFORMATION

International transport regulations

	ADR/ RID	ADN	IMO/IMDG Classification	ICAO/IATA Classification
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No	No	No	No
Additional information	-	-	-	-

14.6 Special precautions for Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. User

14.7 Transport in bulk according to Annex I of MARPOL

Oils 73/78 and the IBC Code

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture				
EU Regulation (EC) No. 1907/2006 (REACH)				
Annex XIV - List of substances subject to authorization				
Annex XIV	None of the components are listed.			
Substances of very high concern	None of the components are listed.			
Annex XVII - Restrictions on the	Not applicable.			
manufacture, placing on the market and				
use of certain dangerous substances,				



mixtures and articles Other EU regulations Seveso D



This product is not controlled under the Seveso Directive.

International Lists	Inventory name	On inventory (yes/no)*
National Inventory		
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Yes" indicates that all component	nts of this product comply with the inventory requirements administered by the governing cou	ntry(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

15.2 Chemical Safety Assessment

SECTION 16 OTHER INFORMATION		
Revision comments	Not available.	
Legend to abbreviations		
ADR	European agreement concerning the international carriage of dangerous good by road.	
RID	Regulations agreement concerning the international carriage of dangerous good by rail.	
IMDG – CODE	International maritime dangerous goods code.	
ICAO	International Civil Aviation Organization.	
IATA	International air transport association.	
GHS	Globally Harmonized System of Classification and Labeling of Chemicals.	
CLP	Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008].	
SCBA	Self-Contained Breathing Apparatus.	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC)	
	No. 1907/2006].	
LC 50	Median lethal concentration.	
LD 50	Median lethal dose.	
PBT	Persistent, Bioaccumulative and Toxic.	

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification		Justification
Asp. Tox. 1, H304		Calculation method
Full text of abbreviated H statements Full text of classifications [CLP/GHS] Date of issue/Date of revision Date of previous issue Version	H304 May be fatal if swallowed and enters airways. Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1. 1 st October 2020. January 2019 02	

Disclaimer

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