

SAFETY DATA SHEET(SDS)

According to Global Harmonized System
Version 3

Issue Date:15/08/2016

Rev. Date:

AVGO OIL SWY PREMIUM 68

Version 1

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

Identification of the substance or preparation

Product Name : AVGO OIL SWY PREMIUM 68
Trade Name : AVGO OIL SWY PREMIUM 68
Substance /Mixture : Mixture Use of

the Substance/Preparation Identified uses

: Lubricant for machinery.

Company/Undertaking Identification

Manufacturer/ Supplier **DAVOR SDN BHD**
32, JALAN PUTERI 5/16,
BANDAR PUTERI,
47100, PUCHONG
SELANGOR, MALAYSIA

For further information,please contact:

E-mail Address

ly.yap@davor.com.my

Emergency telephone

+6012-291 9166

2.HAZARDS IDENTIFICATION

Classification of the substance or mixture

Physical hazards	Not Classified	
Health hazards	Acute Toxicity Oral	Category 4
	Skin Corrosion/Irritation	Category 2B
	Eye Damage/Irritation	Category 2B
OSHA defined hazards	Not Classified	

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GHS Label elements, including precautionary statements

Symbol(s)



Signal Word

Warning

Hazard Statements

H316 – Causes mild skin irritation

H302 – Harmful if swallowed

H320 – Causes eye irritation

Precautionary Statement – Prevention

- . Keep container tightly closed
- . Wash face, hands and exposed skin thoroughly after handling
- . Wear Protective gloves/protective clothing/eye protection/face protection.
- . Avoid breathing fumes or mist.

Precautionary Statement – Response

- . IF ON SKIN : Rinse skin with water.
- . Wash contaminated clothing before reuse.
- . IF SWALLOWED : Immediately call a poison center or doctor or physician.
- . Do NOT induce vomiting.
- . IF INHALED : Call a poison center or doctor if you feel unwell.
- . If IN EYES : Rinse cautiously with water for several minutes, if eyes irritation persists, get medical attention.

Precautionary Statements – Storage

- . Store in a well-ventilated place. Keep Cool
- . Store locked up

Precautionary Statements – Disposal

- . Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification

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3.COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and additives to hence the lubricity.

Chemical Name	CAS-NO	EC-NO	Weight %
Distillates(petroleum) paraffinic oil	64741-88-4	649-454-00-7	70 – 90%
Anti-Wear additives	PROPRIETARY		5 – 10%
Anti-oxidant additives	PROPRIETARY		5 – 10%
Anti-stick slip	PROPRIETARY		1 -5 %

4.FIRST AID MEASURES

Description of necessary first-aid measures

General advice IN CASE OF SERIOUS OR PERISITENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE

Eye contact Rinse thoroughly with plenty of water , also under the eyelids , Keep eye wide open while rinsing.

Skin contact Remove contaminated clothing and shoes . Wash off soap and water.

Inhalation In case of exposure to intense concentrations of vapours , remove victim away from the contaminated zone, and allow to rest.

Ingestion Do not ingest if swallowed then seek immediate medical assistance Risk of product entering the lings on vomiting after ingestion. In this case, the casualty should be sent immediately to hospital.

Protection of First-aiders Use personal protective equipment.

Most important symptoms/effects, acute and delayed

Inhalation Moderate respiratory discomfort and or/or minor headaches,
Eye contact No significant effect beyond minor irritation are expected.
Skin contact Moderate irritation and discomfort, defatting of skin and redness are possible, Toxic systemic effects from absorption are expected to be minor.
Ingestion May result in discomfort or nausea.

Indication of immediate medical attention and special treatment needed , if necessary

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Notes to physician

Treat symptomatically

5.FIRE-FIGHTING MEASURES

Flash point

See chapter 9. PHYSICAL AND CHEMICAL PROPERTIES

Suitable Extinguishing Media

Suitable Extinguishing Media

Extinguishing media – small fires: Dry chemical, carbon dioxide (CO₂),Alcohol-resistant foam.
Extinguishing media – large fires: Dry chemical,CO₂,water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Special Hazard

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases of sulfur and phosphorous (smoke). Carbon monoxide.

Advice for fire-fighters

Special protective equipment for Fire-fighters

Wear self-contained breathing apparatus and protective suit . In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Other information

Other information

Cool containers / tanks with water spray.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General Information

Use personal protective equipment.
Evacuate non-essential personnel.
Ensure adequate ventilation , especially in confined areas.
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Do not touch or walk through spilled material.

General Information

General Information

Prevent further leakage or spillage if safe to do so . Dike to collect large liquid spills . The product should not be allowed to enter drains ,water

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courses or the soil. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Methods for cleaning up

Use non-sparking hand tools and explosion proof electrical equipment . Contain spillage, and then collect with non-combustible absorbent material,(e.g.sand, earth, diatomaceous earth, vermiculite)and place in container for disposal according to local/national regulations (see section 13). Following product recovery, flush area either water.

Other information

Other information

Remove all sources of ignition.
Stop all work that requires a naked flame, stop all vehicles, stop all machines and equipment that may cause sparks or flames.

7.HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

For personal protection see section 8.Use only in well-ventilated areas . Do not breathe vapours or spray mist.
Avoid contact with skin , eyes and clothing.

Technical measures

Ensure adequate ventilation.
Do not spray at high pressure (>3bar)
WHIKE MOVING THE PRODUCT: To avoid ignition of vapours by-static electricity discharge, all metal parts of the equipment must be grounded Do not allow splash loading and ensure that the product is poured slowly, particularly at the beginning of the operation.

Prevention of fire and explosion

OPERATE ONLY ON COLD AND DEGASSED TANKS IN VENTILATED PREMISES (TO AVOID RISK OF EXPLOSION)
Handle away from any source of ignition (open flame and sparks) and heat (hot manifolds or casings).Do not smoke.
Use explosion proof electrical equipment Take precautionary measures against static discharges Do not use compressed air for filling, discharging or handling Design installations (machinery and equipment)to prevent burning product from spreading(tanks, retention systems, interceptors (traps) in drainage system).

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

Design the installations in order to avoid accidental emissions of product (due to seal breakage , for example)onto hot casings or electrical contacts.
Storage installations should be designed with adequate bunds so as to prevent ground or water pollution in case of leaks or spills .
Use explosion proof electrical equipment.
Keep in a bounded area . Keep in a dry, cool and well-ventilated place.

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Keep away from open flames , hot surfaces and sources of ignition . Ground/bond containers , tanks and transfer/receiving equipment . Store at room temperature.
Keep containers tightly closed and properly labelled.

Materials to Avoid

Oxidizing agents.

Packaging material

keep only in the original container or in a suitable container for this kind of product.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits

Ingredients with workplace control parameters

Appropriate engineering control

Engineering Measures

When working in confined spaces(tanks, containers, etc), Ensure that there is a supply of air suitable for breathing and wear the recommended equipment.
Apply technical measures to comply with the occupational exposure limits.

Individual protection measures ,such as personal protective equipment (PPE)

Personal Protective Equipment

General Information

Protective engineering solutions should be implemented and in use before personal protective equipment is considered. These recommendations apply to the product as supplied. If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

Respiratory protection

The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses. If exposure levels cannot be determined or estimated with adequate confidence, or an oxygen deficiency is possible, only SCBA's should be used

Eye Protection

If splashes are likely to occur, wear: safety glasses with side-shields

Skin and body protection

Wear suitable protective clothing, Protective shoes or boots.

Hand Protection

Impervious gloves, aliphatic hydrocarbon resistant Polyvinylchloride.

Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product, When using, do not eat, drink or smoke .Regular cleaning of equipment ,work area and clothing is recommended. Do not dry hands with rags that have been contaminated with product. Do not use abrasives, solvents or fuels.
Wash hand before breaks and at the end of workday.

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9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Color Light Brown Translucent
Physical State @20°C liquid
Odor Bland Odor

Important health safety and environmental information

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH		Not applicable	
Melting point/range		Not available	
Boiling point/boiling range	> 260 °C (500°F)		
Flash point	> 200 °C (380°F)		
Evaporation rate		Not available	
Flammability Limit In Air			
Upper		Not available	
Lower		Not available	
Vapor Pressure		Not applicable	
Vapor density		Not applicable	
Relative density	0.88	@15°C	
Water solubility		Negligible	
Solubility in other solvents		Not available	
Viscosity , kinematic	68 mm ² /s	@40 C	
Explosive properties		Not available	
Oxidizing Properties		Not available	

Other information

No information available

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

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Heat, flames and sparks. Avoid conditions that favour the formation of excessive mists and/or fumes.

Material to Avoid

Strong oxidizing agents

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Product Information

Skin contact	May cause irritating to skin after prolong exposure.
Eye contact	May cause slight irritation.
Inhalation	May cause irritation to the respiratory system.
Ingestion	If swallowed accidentally, irritation, nausea, vomiting and diarrheal, Abdominal pain. May cause central nervous system depression.

Aggravated Medical Conditions None known

Sub chronic toxicity

Sub chronic toxicity No information available

Chronic toxicity

Sensitization	No known effect based on information supplied.
Neurologically effects	No information available.
Target Organ Effects (STOT)	No information available.

Specific effects

Carcinogenicity No known effect based on information supplied.

Mutagenicity

No known effect based on information supplied

Reproductive toxicity

No known effect based on information supplied.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Petroleum distillates can have adverse effects on aquatic ecosystem.
Mobility :	In normal use, minimal emission of volatile organic compounds (VOC's) to the air takes place.
Degradability:	Product is not ready biodegradable.
Bioaccumulation:	Not Available.

Chronic aquatic toxicity – Product Information

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Not applicable

Chronic aquatic toxicity – Component Information

No information available

13.DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products	Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14.TRANSPORT INFORMATION

<u>ADR/RID</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>ICAO/IATA</u>	Not regulated
<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated

15.REGULATORY INFORMATION

DANGEROUS SUBSTANCES OR PREPARATION CLASSIFICATION :

We recommend you to contact local authorities to determine if there may be local reporting requirements.

16.OTHER INFORMATION

Issue Date:	15 August 2016
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Revision Note:	-

Disclaimer

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned, AVGO SOLUTION SDN BHD. assume no responsibility for the injury to recipient or to third person or for any damage to any property and assumes all such risk.

End of Safety Data Sheet