



Safety Data Sheet According to 1907/2006/EC, Article 31

Printing Date 25.03.2022 - Revision 25.03.2022

1. Identification of Product and Company's Name:

PRODUCT DETAIL

Trade Name: OWS Multilight SAE 5W40

Article Number: SAE 5W40

Application of the substance / the preparation:

Manufacturer / Supplier:

Our Workshop System (S) Pte Ltd
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Further information obtainable from:

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2. Possible Hazards:

Hazard designation:

The product does not require a hazard warning label in accordance with EC directives/ GefStoffV (German regulations on dangerous substances).

3. Composition/Ingredients:

3.1. Substances- Not Applicable

3.2. Mixtures: Mixture of synthetic base oils and enriching additives

Hazardous ingredients and its concentrations in the mixture:

Substance name/ REACH registration number	CAS No/ EC No	% wt.	Classification according to EC Regulation No.1272/2008 (CLP)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Unspecified base oil 01-2119474889-13-0000	72623-87-1 / 276-738-4	60	Asp.Tox.1;H304
Distillates (petroleum), heavy hydrocracked; Unspecified base oil 01-2119486951-26	64741-76-0/ 265-077-7	37	Not classified as hazardous
Phosphorodithioic acid, mixed 0,0-bi(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts 01-2119657973-23-0000	68784-31-6/ 272-238-5	0,54 - 1.0	Aquatic Chronic 2; H411 Eye Dam.1 ; H318
Benzenesulfonic acid, methyl-, mono-C20-26-branched alkyl derivs., calcium salts	722503-69-7	0,54 - 1,05	Skin Sens.1B; H317

Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts	722503-68-6	0,11 - 0,54	Skin Sens.1B: H317
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*Contains at least one of the following EINECS numbers: 265-090-8, 265-091-3, 265-096-0, 265-097-6, 265-098-1, 265-101-6, 265-155-0, 265-156-6, 265-157-1, 265-158-7, 265-159-2, 265-160-8, 265-166-0, 265-169-7, 265-176-5, 276-736-3, 276-737-9, 276-738-4, 278-012-2 and REACH registration numbers: 01-211948-4627-25, 01-2119487077-29, 01-2119471299-27
 Base oils applied in the mixture are not classified as carcinogenic. DMSO extract content (according to IP 346) <3%.
 Based on viscosity of the product, it does not pose any hazard due to aspiration.

4. First Aid Measures:

General information Remove contaminated clothing immediately and dispose of safely.
After skin contact In case of contact with skin wash off immediately with plenty of water.
After eye contact In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. In case of irritation consult an oculist.
After ingestion Do not induce vomiting.
 Rinse out mouth and give plenty of water to drink.
 Summon a doctor immediately.

5. Fire Fighting Procedure:

Suitable extinguishing media: Foam, Dry powder, Carbon dioxide
Extinguishing media that must not be used for safety reasons : Full water jet
Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:
 In the event of fire the following can be released:
 Carbon monoxide (CO)
 Carbon dioxide (CO₂)
 In case of combustion evolution of dangerous gases possible.
Special protective equipment for firefighting:
 Do not inhale explosion and/or combustion gases.
 Use self-contained breathing apparatus.
Other information:
 Cool endangered containers with water spray jet.

6. Steps to be Taken in Case of Spill or Leak:

Personal precautions Use personal protective clothing.
Environmental precautions Do not discharge into the drains/surface waters/groundwater.
Methods for cleaning up/taking up Take up with absorbent material (eg sand, kieselguhr, universal binder).
 Dispose of absorbed material in accordance with the regulations.

7. Storage and Handling:

Handling	Storage
Advice on safe handling	Requirements for storage rooms and vessels
Use personal protective clothing.	Protect from frost.
Open and handle container with care.	Protect from heat and direct sunlight.
Avoid formation of aerosols.	Keep container tightly closed.
Advice on protection against fire and explosion	
No special measures necessary.	

8. Explosion Control/Personal Protection:

Additional hints on technical system design.

See chapter 7; no measures exceeding the ones mentioned are necessary.

Ingredients with occupational exposure limits to be monitored

EINECS-No. Name Type Value Unit

Personal protective equipment

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation.

Hand protection

Recommendation: Impermeable safety gloves made of nitrile as per EN 374; penetration time more than 480 min. at a thickness of 0.4 mm.

Eye protection

Safety glasses with side protection shield

General protective measures

Do not inhale gases/vapours/aerosols.

Avoid contact with eyes and skin.

At work do not eat, drink, smoke or take drugs.

Keep away from foodstuffs and beverages.

Wash hands before breaks and after work.

9. Physical & Chemical Characteristics:

Form: liquid	Color: ASTM colour code : 2.5	Odor: typical
	Value	Unit
Flammability	Not under normal conditions	
Ignition Temperature	>300	°C
Auto-ignition	None	
Explosion danger	under strong heat and/or excessive misting only	
Explosion limit		
Lower limit	0.6	Vol. %
Upper limit	6.5	Vol. %
Density at T=15°C	0.85 – 0.88	g/cm ³
Solubility in 20°C water	practically insoluble	
Viscosity (cinematic)		
T = 40°C		mm ² /s
T = 100°C	12.5-16.3	mm ² /s
Flash Point	>200	°C
Pour Point	< -35	°C
Vapour Pressure (20°C)	< 1	hPa
		DIN 51 794
		ISO 3675
		DIN 51 562
		DIN 51 562
		ISO 2592
		ISO 3016
		Literature

10. Stability & Reactivity Data:

Materials to avoid

Reactions with strong oxidising agents.

Hazardous decomposition products

No hazardous reactions when stored and handled according to prescribed instructions.

11. Toxicological Information:

General remarks

No toxicological data are available.

Experience in practice

Keeping to the general worker's protection rules and the industrial hygienics, there is no risk in handling this product through the personnel.

12. Ecological Information:

Do not discharge into the drains/surface waters/groundwater.

The formulation was evaluated using the conventional method of the Dangerous Preparations Directive 1999/45/EC and not classified as hazardous to the environment.

13. Disposal Instructions:

Waste code: 130205 mineral-based non-chlorinated engine, gear and lubricating oils The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Uncleaned packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

14. Transportation Instructions:

"Product is not subject to the regulations for dangerous goods".

15. Regulation Instructions:

Labeling in accordance with EC directives

The product does not require a hazard warning label in accordance with EC directives/ GefStoffV (German regulations on dangerous substances).

National Regulations

Water hazard class / source 2 (

VwVwS)

TA-Luft / paragraph (for Germany only):

Class III

VbF (Germany) : -

16. Other Information:

38 Irritating to skin.

41 Risk of serious damage to eyes.

The data mentioned in the present safety data sheet correspond to our latest knowledge and experience and may be used to precise safety requirements for the different products. The information given therein is no warranty as to quality.

Please also read our technical data sheet.

n.a.: no applicable

n.b.: no determined