



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

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1. Identification of Product and Company's Name:

PRODUCT DETAIL

Trade Name: OWS Ecoplus SAE 5W-30

Article Number: SAE 5W-30

Application of the substance / the preparation:

Manufacturer / Supplier:

Our Workshop System (S) Pte Ltd
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2. Possible Hazards:

Description of possible hazard for Men & Environment: Under consideration of usual precautionary measures for use of mineral oil products, indications for handling (section7) and personal protection (section8); no particular danger known

3. Composition/Ingredients:

Chemical Description : Synthetic hydrocarbons with additive

Hazardous Components : Under authorized utilization there is no danger in using this material, based upon today's knowledge

Classification according to the TRGS 220 : Mixture. Characterization : none

4. First Aid Measures:

Inhalation: Fresh air; usually no further remedies are required. If symptoms persist obtain medical advice.

Eye Contact: Washout thoroughly with water for at least 10 minutes. Afterwards, immediately seek medical

Skin Contact: advice. Wash skin with soap and water.

Ingestion: DO NOT INDUCE VOMITING. Immediately seek medical advice.

5. Fire Fighting measures:

Extinguishing Agent: Foam, CO2, dry powder, water fog and sand

6. Accidental release measures:

Personal Protection: Regular, longer or intensive skin contact should be avoided. Otherwise, protective measure should be worn. Change soaked clothes and shoes immediately. Avoid inhalation of vapour and mist

Environment Protection: If the product seeps into the surface water, drainage or underground inform the responsible authorities . Prevent seepage into drainage system. Stop flowing product through blockage with earth or other type of suitable material.

Container and Cleaning : Soak up leaked product with a suitable absorbent Disposed of the soiled absorbent in accordance with local regulation

7. Storage and Handling:

Handling : Do not spill product. When handling heavy container use safety gloves and appropriate tools. Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Keep away from heat and other sources of ignition. Combustion Class according to DIN EN 2 : B

Storage : Provide sufficient ventilation. Only use containers which are suitable for storing the product. Protect against seepage into the ground. Keep container close. Do not store together with oxidants. Keep away from heat source. Storage temperature +5°C and max +40°C

8. Explosion Control/Personal Protection:

Eye Protection: In case of spraying danger, use tightly fitting goggles

Hand Protection: If at all possible, we recommend gloves made of Nitril Butyl Rubber (NBR) or a suitable plastic. Otherwise, use suitable skin cream

BodilyProtection: Wear oil resistant clothing in case of spraying danger. Preventative skin protection in necessary. After work clean and treat the skin

Respiratory Protection : Where excessive misting occurs, reduce through ventilation

9. Physical & Chemical Characteristics:

Form: liquid	Color: ASTM colour code : 2.5 - 8	Odor: typical
Flammability	Not under normal conditions	
Ignition Temperature	>300 °C	DIN 51 794
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 – 0.87 g/cm3	ISO 3675
Solubility in 20°C water	practically insoluble	
Viscosity (cinematic) T = 40°C	mm2/s	DIN 51 562
T=100°C	7-12 mm2/s	DIN51 562
Flash point	>200 °C	ISO 2592
Pour point	< - 40 °C	ISO 3016
Vapour Pressure (20°C)	< 1 hPa	Literature

10. Stability & Reactivity Data:

Condition to Avoid: No decomposition occurs when handled according to proper procedure

Material to Avoid : Strong Oxidant. This material reacts slowly or not at all with most chemicals.

Hazardous Decomposition Products : None if stored and handled according to proper procedures.

Dangerous Reaction : None under proper handling conditions. Decomposition begins at high temperatures

11. Toxicological Information:

Acute Toxicity: LD-/LC 50 Values relevant for classification;

Type	Typical Value	Species	Method	Source
oral	>2000 mg/kg	Rats	LD 50	Literature
dermal	>2000 mg/kg	Rabbits	LD 50	Literature

Chronic Toxicity : Repeated or long skin contact can lead to leaving skin fats or to dermatitis. Through this the skin can become sensitive to other materials or chemicals.

General Information: This material is base on materials that have shown no carcinogenic effects in animal testing

12. Ecological Information:

Persistence and Degradability : Avoid seepage of material into ground water, open water, the drainage or earth.
This product is practically insoluble in water and only partially biodegradable

Mobility Product : Product floats on water

Water Danger Classification : (WGK) 2 self-classification
When this material enters drinking water supplies, then the drinking water supply is endangered

13. Disposal Instructions:

Product: Disposal or combustion should be performed with approved equipment. Give the used material to an approved disposal company. Material is free of PCB's and halogens

14. Transportation Instructions:

Land Transportation	N/A
Sea Transportation:	N/A
Air Transportation	N/A

15. Regulation Instructions:

Special Labeling: No characterization necessary

R-sentence : None

S-sentence : None

Special characterization of specified mixture according to the "Preparation Guidelines EU", Appendix II ; None

16. Other Information:

The information contained in this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily inclusive nor fully adequate in every circumstance. The suggestions should not be confused with , nor followed in violation of applicable laws and regulations, rules or insurance requirements. No warranty, express or implied or merchantability, fitness use thereof is made. The vendor assumes no responsibility for the injury or damage resulting from inappropriate use of this product.