



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 Multimax HD 15W-40

Article Number: 1500

Application of the substance / the preparation:

Manufacturer / Supplier:

Our Workshop System (S) Pte Ltd
107 Tuas View Walk 1, Singapore 637730

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Further information obtainable from:

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Information in case emergency: Tel: (49) 171 9978 792 Monday to Friday 9:00 to 18:00 CET

2. Possible Hazards:

Principal Hazards:

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

3. Composition/Ingredients:

Composition:

Chemical Description :

Mineral Base Oil	50%
Group 3 Base Oil	30%
Lubricants Additive	20%

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

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 measures:

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

Advice on safe handling

Use personal protective clothing.

Open and handle container with care.

Avoid formation of aerosols.

Advice on protection against fire and explosion No special measures necessary.

Storage

Requirements for storage rooms and vessels Protect from frost.

Protect from heat and direct sunlight.

Keep container tightly closed.

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

Colour: yellow, brown

Odour: characteristic

Changes in the physical state	Value	Unit	Method
Initial boiling point and boiling range:	> 320	°C	DIN ISO 2592
Flash point:	> 210	°C	
Lower explosion limits:	0.6	vol. %	ASTM E 659 DIN 53217
Upper explosion limits:	6.5	vol. %	
Ignition temperature:			
Density (at 15 °C):	0.866 - 0.876	g/cm ³	
Solubility in other solvents -insoluble in: Water.			
Viscosity / kinematic: (at 100 °C)	13.4	mm ² /s	DIN 51562

9.2. Other information

No data available.

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 wastecodenumbers, 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