



# 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 DSG II

**Article Number:**

**Application of the substance / the preparation:**

**Manufacturer / Supplier:**

Our Workshop System (S) Pte Ltd  
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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).

**Classification of the substance or mixture:**

This mixture is not classified as dangerous according to Directive 1999/45/EC.

## 3. Composition/Ingredients:

**Chemical characterization**

Synthetic Base Oil: 40-45%

Methacrylate copolymer: 1-5%

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

## 4. First Aid Measures:

**Ingestion** : DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

**Eye** : Flush immediately with water for at least 15 minutes. Get immediate medical attention.

**Skin** : Wash with soap and water. Remove contaminated clothing. Get medical attention of irritation development. Launder contaminated clothing before reuse.

**Inhalation** : Remove exposed person to fresh air if adverse effects are observed.

**Additional**

**Information** : Note to physician: Treat symptomatically.

## 5. Fire Fighting measures:

**Flash Point** : >200°C COC (typically)

**Extinguishing Media** : CO<sub>2</sub>, dry chemical, or foam. Water can be used to cool and protect exposed material.

**Firefighting Procedures** : Recommend wearing self-contained breathing apparatus. Water may cause splattering.

**Unusual Fire & Explosion Hazards** : Toxic fumes, gases (H<sub>2</sub>S, CO, CO<sub>2</sub>, NO<sub>x</sub>, SO<sub>x</sub> etc.) or vapors may evolve on burning.

## 6. Accidental release measures:

**Spill Procedures** : Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and water-ways. Pick up free liquid for recycle/ disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labelling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous Substances to determine regulatory reporting requirement for spills.

## 7. Storage and Handling:

**Loading Temperature** : Not determined.  
**Maximum Handling** : Max. 60°C.

**Temperature Handling Procedure:** Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

**Maximum Storage Temperature** : Not determined.  
**Storage Procedures** : No special storage precautions required.  
**Handling Procedures** : Safety glasses and gloves are recommended. Avoid contact with skin or eyes.

## 8. Explosion Control/Personal Protection:

### Exposure Limits

**Other Exposure Limits** : Under decomposition temperature H<sub>2</sub>S may be generated. Under these conditions which may generate H<sub>2</sub>S, observe the ACGIH STEL of 14mg/m (10ml/m ).

**Ventilation Procedures** : Use local exhaust ventilation to control mists or vapors.

**Eye Protection** : Chemical goggles or face shield.

**Respiratory Protection** : Use full face respirator with a combination organic vapor and dust/ mist cartridge if the recommended exposure limit is exceeded.

**Clothing Recommendation** : long sleeve shirt is recommended.

## 9. Physical & Chemical Characteristics:

**Form:** liquid

**Odor:** Characteristic

	Method	Unit	
<b>Density @ 15°C</b>	ASTM D4052	kg/L	0.849
<b>Kinematic Viscosity @40°C</b>	ASTM D445	cSt	38
<b>Kinematic Viscosity @100°C</b>	ASTM D445	cSt	7.5
<b>Viscosity Index</b>	ASTM D2270	-	170
<b>Flash Point, COC</b>	ASTM D92-05A	°C	> 195
<b>Pour Point</b>	ASTM D97	°C	< -45

## 10. Stability & Reactivity Data:

**Stability** : Material is normally stable at moderately elevated temperatures and pressures

**Decomposition Temperature** : Toxic fumes may occur at temperatures above 65°C.

**Incompatibility** : Oxidizing agents, Halogens and halogenated compounds.

**Polymerization** : Will not occur

**Thermal Decomposition** : Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Oxides of C-, N- or S may occur.

## 11. Toxicological Information:

### Acute Exposure

- Eye Irritation:** : Prolonged contact may lead to eye irritating, but the product is not a primary eye irritant.
- Skin Irritation** : Based on data from components or similar materials like other motor oils.  
Prolonged or repeated skin contact as from clothing wet with material may cause skin irritations and or allergic skin reactions like redness, edema, drying, and cracking of the skin.
- Respiratory Irritation** : If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be problem.
- Dermal Toxicity** : No data available.
- Inhalation Toxicity** : No data available.
- Oral** : No data available.
- Dermal Sensitization** : No data available to indicate product or components may be a primary skin sensitizer. Therefore prorogated contact should be avoided.
- Inhalation Sensitization** : No data available to indicate product or components may be respiratory sensitizers.

### Chronical Exposure

- Chronic Toxicity** : No data available.
- Carcinogenicity** : This product is formulated with mineral oils which are are considered to be severely refined and not considered to be carcinogenic under IARC.  
All of the oils in this product have been demonstrated to contain <3% extractables by the IP 346 test.
- Mutagenicity** : No data available.
- Reproductive Toxicity** : No data available.
- Teratogenicity** : No data available.
- Other** : No other health hazards known.

## 12. Ecological Information:

### Environmental Toxicity

- Freshwater Fish Toxicity: Not determined.
- Freshwater Invertebrates Toxicity: Not determined.
- Algae Toxicity: Not determined.
- Saltwater Fish Toxicity: Not determined.
- Saltwater Invertebrates Toxicity: Not determined.
- Bacteria Toxicity: Not determined..
- Miscellaneous Toxicity: Not determined..

### Environmental Fate

- Biodegradation: Laboratory studies indicate limited biodegradation with non- acclimated sludge, based on component data.
- Bioaccumulation: Not determined.
- Soil Mobility: Not determined.
- WGK / WPC: Estimated: WGK 2 (WPC 2) acc. to german regulations

## 13. Disposal Instructions:

**Waste Disposal:** In accordance with European Law: No dangerous disposal.

## 14. Transportation Instructions:

<b>ICAO/ IATA:</b>	Not regulated.
<b>IMDG (Ambient):</b>	Not regulated.
<b>IMDG (Elevated):</b>	Not regulated.
<b>IMDG EMS:</b>	Not applicable.
<b>IMDG MFAG:</b>	Not applicable.
<b>IMO Marine Bulk:</b>	Product contains heterocyclic ethers of Class 9, UN 3082 PG III
<b>ADR/ RID (Ambient):</b>	Not regulated.
<b>ADR/ RID (Elevated):</b>	Not regulated.

## 15. Regulation Instructions:

**Symbol(s):** --

**Indication of danger:** --

**Precautionary Labels** : S37/ S39 Wear suitable gloves & goggles.  
S26 Flush with plenty of water, immediately after contamination.  
S24 Avoid skin contact.

## 16. Other Information:

R-phrases, mentioned under chapter 3:

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the Aquatic environment.