



# 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 Evotec RS SAE 5W-40

**Article Number:** 2504

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

**Manufacturer / Supplier:**

Our Workshop System (S) Pte Ltd  
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## 2. Hazards identification

### 2.1. Classification of the substance or mixture

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

### 2.2. Label elements

Additional advice on labelling

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

### 2.3. Other hazards

No data available

## 3. Composition/Ingredients:

### 3.2. Mixtures

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	Polyolefin-polyaminsuccinimid, Polyol	1-5%
147880-09-9	R53	
	Aquatic Chronic 4; H413	
276-738-4	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	< 0.1 %
72623-87-1		
649-483-00-5	Asp. Tox. 1; H304	
276-738-4	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral	< 0.1 %
72623-87-1		
649-483-00-5	Asp. Tox. 1; H304	

## 4. First Aid Measures:

### 4.1. Description of first aid measures

#### General information

Self-protection of the first aider.

Change contaminated clothing.

Do not put any product-impregnated cleaning rags into your trouser pockets.

#### After inhalation

In case of inhalation of aerosols/spray mist/splash spots: Consult physician. Provide fresh air.

Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED:

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of inhalation of aerosols/spray mist/splash spots: Consult physician.

#### After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

If skin irritation or rash occurs: Get medical advice/attention.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink large quantities of water.

If swallowed, do not induce vomiting: seek medical advice immediately and show this container label.

### 4.2. Most important symptoms and effects, both acute and delayed

No data available

### 4.3. Indication of any immediate medical attention and special treatment needed

Caution if victim vomits: Risk of aspiration!

Aspiration hazard: Immediately get medical attention.

## 5. Fire Fighting measures:

### 5.1. Extinguishing media

#### Suitable extinguishing media

Extinguishing materials should be selected according to the surrounding area. Carbon dioxide (CO<sub>2</sub>).

Dry extinguishing powder. Foam.

#### Extinguishing media which must not be used for safety reasons

High power water jet.

### 5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance itself, combustion products, resulting gases:

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Sulfur oxides. Phosphorus oxides. Hydrogen sulphide (H<sub>2</sub>S).

### 5.3. Advice for firefighters

Carbon black In case of fire: Wear self-contained breathing apparatus.

In case of fire and/or explosion do not breathe fumes.

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Use a water spray jet to knock down vapours/gases/mists. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

## 6. Accidental release measures:

### 6.1. Personal precautions, protective equipment and emergency procedures

High slip hazard because of leaking or spilled product. Wear suitable protective clothing .  
Wear respiratory protection when in the presence of vapour , dust, and aerosols.

### 6.2. Environmental precautions

Do not empty into drains or the aquatic environment.  
Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal .

### 6.4. Reference to other sections

In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

## 7. Storage and Handling:

### 7.1. Precautions for safe handling

#### Advice on safe handling

Protect skin by using skin protective cream. Wash hands before breaks and at the end of work . Conditions to avoid: aerosol or mist generation.

#### Advice on protection against fire and explosion

No special measures are necessary. When using do not smoke.  
Fire class: B (German Industry Norms (DIN) / European Norms (EN): EN2)

#### Further information on handling

No data available

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed.  
Keep away from heat. Keep/Store only in original container.

#### Advice on storage compatibility

Do not store together with: Food and fodder, Oxidizing agents.

#### Further information on storage conditions

If product enters soil, it will be mobile and may contaminate groundwater Keep away from heat.

### 7.3. Specific end use(s)

Motor oil

## 8. Explosion Control/Personal Protection:

### Exposure controls

#### Occupational exposure controls

No data available

### Protective and hygiene measures

When using do not eat, drink or smoke. Change contaminated clothing.  
Wash hands before breaks and at the end of work . Protect skin by using skin protective cream.  
Keep away from food, drink and animal feedingstuffs. Do not breathe vapour.

### Respiratory protection

Wear respiratory protection when in the presence of vapour, dust, and aerosols.

### Hand protection

Wear suitable gloves.

### Eye protection

In case of fine dispersion/spraying/misting: Wear eye/face protection.

### Skin protection

In case of fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

### Environmental exposure controls

No data available

## 9. Physical & Chemical Characteristics:

### 9.1. Information on basic physical and chemical properties

Physical state: liquid

Colour: yellow-brown

Odour: characteristic

	Test	Method
pH-Value:	not applicable	DIN 51369
Changes in the physical state		
Pourpoint:	~-36 °C	
Flash point:	>200 °C	
Lower explosion limits:		
Upper explosion limits:		
Ignition temperature:	No data available	
Vapour pressure: (at 20 °C)		
Density (at 15 °C):	0,845 g/cm <sup>3</sup>	DIN 51757
Water solubility: (at 20 °C)	practically insoluble	
<b>Solubility in other solvents</b>		
Soluble in hydrocarbons (mineral oil.)		
Viscosity / kinematic: (at 100 °C)	~14 mm <sup>2</sup> /s	DIN 51562

### 9.2. Other information

none/none

## 10. Stability & Reactivity Data:

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

No thermal decomposition if properly stored / handled /transported.  
Onset of decomposition at elevated temperatures (>120°C): (e.g. H2S)

### 10.3. Possibility of hazardous reactions

possible with strong oxidizing agents.  
This product is stable under normal conditions. Hazardous reactions are unlikely.

## 10.5. Incompatible materials

Oxidizing agents, strong.

## 10.6. Hazardous decomposition products

none/none

### Further information

No thermal decomposition if properly stored / handled /transported.

## 11. Toxicological Information:

### 11.1. Information on toxicological effects

#### Toxicokinetics, metabolism and distribution

No data available.

#### Acute toxicity

No data available.

Irritant effect on the respiratory tract: Do not breathe gas/vapour.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based				
	ora	LD50	=> 5000 mg/kg	Rat.	OECD 401
	dermal	LD50	=> 2000 mg/kg	Rabbit.	OECD 402
	inhalative (4 h)	LC50	=> 5.53 mg/l	Rat.	OECD 403
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based				
	oral	LD50	=> 5000 mg/kg	Rat.	OECD 401
	dermal	LD50	=> 2000 mg/kg	Rabbit.	OECD 402
	inhalative (4 h)	LC50	=> 5.53	Rat.	OECD 403

#### Specific effects in experiment on an animal

No data available.

#### Irritation and corrosivity

Irritant effect on the skin: none/none

Frequent and prolonged eye contact may cause eye irritation

#### Sensitising effects

Due to the very low concentration of sensitizing substances, the finished product can be assumed not to be skin-sensitizing.

#### Severe effects after repeated or prolonged exposure

Frequently or prolonged contact with skin may cause dermal irritation.

#### Carcinogenic/mutagenic/toxic effects for reproduction

The product is not classified.

#### Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

#### Empirical data on effects on humans

not applicable

Has de-greasing effect on the skin.

#### Further information

No special hazards known when the product is properly used and the precautionary measures indicated are observed.

## 12. Ecological Information:

### 12.1. Toxicity

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

CAS No	Chemical name				
	Aquatic toxicity	Method	Dose	H	Source
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based				
	Acute fish toxicity	LD50 mg/kg	> 100 mg/l	96	OECD 203
	Acute algae toxicity	LD50 mg/kg	>= 100 mg/l	72	OECD 201
	Acute crustacea toxicity	LC50 mg/l	> 10 000	48	OECD 202
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based				
	Acute fish toxicity	LD50 mg/kg	> 100 mg/l	96	OECD 203
	Acute algae toxicity	LD50 mg/kg	>= 100 mg/l	72	OECD 201
	Acute crustacea toxicity	LC50 LC50	> 10 000	48	OECD 202

## 12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants. Is eliminable from water only with difficulty .

Not easily bio-degradable (according to OECD-criteria). Product is partially biodegradable. Significant residues remain.

Post-use oils must not be discharged into the sewer system or into surface waters nor must they be allowed to enter the soil.

## 12.3. Bioaccumulative potential

No data available.

Do not allow uncontrolled leakage of product into the environment.

## Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
72623-87-1	Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-	> 6

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

No data available.

## 12.6. Other adverse effects

Aquatic organisms: No data available.

Effects in sewage plants No data available .

## Further information

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

# 13. Disposal Instructions:

## 13.1. Waste treatment methods

### Advice on disposal

The waste codes stated are recommendations based on the expected use of the substance and may be re-assigned to other waste codes by the user, if applicable.

Waste disposal according to official state regulations .

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### Waste disposal number of waste from residues/unused products

130206 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils

Classified as hazardous waste.

**Waste disposal number of used product**

130206 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils  
Classified as hazardous waste.

**Contaminated packaging**

Dispose of this material and its container to hazardous or special waste collection point. Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

**14. Transportation Instructions:****Land transport (ADR/RID)**

**14.2. UN proper shipping name:** Motor oil

**Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.2. UN proper shipping name:** Motor oil

**Other applicable information (inland waterways transport)**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.2. UN proper shipping name:** Motor oil

**Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO)**

**14.2. UN proper shipping name:** Motor oil

**Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

**15. Regulation Instructions:****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

**National regulatory information**

Water contaminating class (D):

**16. Other Information:****Full text of R phrases referred to under Sections 2 and 3**

53 May cause long-term adverse effects in the aquatic environment.

**Full text of H statements referred to under Sections 2 and 3**

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life .