



Safety Data Sheet

OWS 700 Syntho Ultimate SAE 10W-50

Section 1

Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product form : Mixture
Product name : OWS 700 Syntho Ultimate SAE 10W-50
Product code : 700

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial For professional use only

1.2.2. Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Company name: OWS Our Workshop System Klaus Bosshammer e.K.
Street: Im Strang 1
Place: D: 34479 Breuna
Telephone: 05693 9915400
E-Mail: info@ows-germany.com
Emergency telephone number: 05693 9915400

Section 2

Hazard s identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request
EUH208 - Contains Calcium long chain alkaryl sulphonate(722503-68-6).
May produce an allergic reaction

Child-resistant fastening : No

Tactile warning : No

2.3 Other hazards

No additional information available

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Section 3

Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Comments

: Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Mineral oil		25 - 50	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated heavy paraffinic	(CAS No) 64742-54-7 (EC no) 265-157-1 (EC index no) 649-467-00-8	25 - 50	Asp. Tox. 1, H304
SN 500 substance with a Community workplace exposure limit	(CAS No) 74869-22-0 (EC no) 278-012-2 (EC index no) 649-484-00-0	1 - 5	Not classified
Polyolefine polyamine succinimide, Polyol		1 - 5	Aquatic Chronic 4, H413
Calcium long chain alkaryl sulphonate	(CAS No) 722503-68-6 (EC no) 271-877-7	0,5 - 1	Skin Sens. 1, H317 Aquatic Chronic 4, H413

Full text of H-statements: see section 16

Section 4

First aid measures

4.1 Description of first aid measures

General information

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.



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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

Section 5

Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6

Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

Section 7

Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling process : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

Section 8

Exposure controls/personal protection

8.1. Control parameters

SN 500 (74869-22-0)		
EU	IOELV TWA (mg/m ³)	5 mg/m ³ 8 HRS
EU	IOELV STEL (mg/m ³)	10 mg/m ³ 15 min
Austria	MAK (mg/m ³)	5 mg/m ³
Belgium	Limit value (mg/m ³)	5 mg/m ³ 8 HRS
Belgium	Short time value (mg/m ³)	10 mg/m ³ 15 MIN
Bulgaria	OEL TWA (mg/m ³)	5 mg/m ³ 8 HRS
Czech Republic	Expoziční limity (PEL) (mg/m ³)	10 mg/m ³
Czech Republic	Expoziční limity (NPK) (mg/m ³)	5 mg/m ³ 8 HRS
Denmark	Grænseværdie (langvarig) (mg/m ³)	1
Denmark	Grænseværdie (kortvarig) (mg/m ³)	2 mg/m ³
Finland	HTP-arvo (8h) (mg/m ³)	5 mg/m ³ 8 Hrs
Greece	OEL TWA (mg/m ³)	5 mg/m ³ 8 hrs
Hungary	AK-érték	< 5 mg/m ³
Hungary	CK-érték	0 mg/m ³



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SN 500 (74869-22-0)		
Ireland	OEL (8 hours ref) (mg/m ³)	5 mg/m ³ 8 Hrs
Italy	OEL STEL (mg/m ³)	10 mg/m ³
Latvia	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Lithuania	IPRV (mg/m ³)	3 mg/m ³ 15 min
Lithuania	TPRV (mg/m ³)	1 mg/m ³ 8 Hrs
Netherlands	Grenswaarde TGG 8H (mg/m ³)	5 mg/m ³ 8 Hrs
Poland	NDS (mg/m ³)	5 mg/m ³ 8 hrs
Poland	NDSP (mg/m ³)	10 mg/m ³ 15 minutes
Portugal	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Portugal	OEL STEL (mg/m ³)	10 mg/m ³
Romania	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Romania	OEL STEL (mg/m ³)	10 mg/m ³ 15 min
Slovakia	NPHV (priemerná) (mg/m ³)	5 mg/m ³ 8 hrs
Spain	VLA-ED (mg/m ³)	5 mg/m ³ 8 Hrs
Spain	VLA-EC (mg/m ³)	10 mg/m ³ 15 min
Sweden	nivågränsvärde (NVG) (mg/m ³)	1 mg/m ³
Sweden	kortidsvärde (KTV) (mg/m ³)	3 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Norway	Grenseverdier (AN) (mg/m ³)	1 mg/m ³
Australia	TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Canada (Quebec)	VECD (mg/m ³)	10 mg/m ³
Canada (Quebec)	VEMP (mg/m ³)	5 mg/m ³
USA - ACGIH	ACGIH TWA (mg/m ³)	>= mg/m ³
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
EU	IOELV TWA (mg/m ³)	5 mg/m ³
Belgium	Limit value (mg/m ³)	5 mg/m ³
USA - ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
USA - ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³
USA - NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³
Mineral oil		
EU	IOELV TWA (mg/m ³)	5 mg/m ³
EU	IOELV STEL (mg/m ³)	10 mg/m ³
Belgium	Limit value (mg/m ³)	5 mg/m ³ 8 Hrs
Belgium	Short time value (mg/m ³)	10 mg/m ³ 15 Min
Bulgaria	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Czech Republic	Expoziční limity (PEL) (mg/m ³)	10 mg/m ³
Czech Republic	Expoziční limity (NPKP) (mg/m ³)	5 mg/m ³ 8 Hrs
Denmark	Grænseværdie (kortvarig) (mg/m ³)	1 mg/m ³
Finland	HTP-arvo (15 min)	5 mg/m ³ 8 Hrs
Greece	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Hungary	CK-érték	5 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	5 mg/m ³ 8 Hrs
Latvia	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Mineral oil		
Lithuania	IPRV (mg/m ³)	1 mg/m ³ 8 Hrs



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Mineral oil		
Lithuania	TPRV (mg/m ³)	3 mg/m ³ 15 Min
Netherlands	Grenswaarde TGG 8H (mg/m ³)	5 mg/m ³ 8 Hrs
Portugal	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Portugal	OEL STEL (mg/m ³)	10 mg/m ³
Romania	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Romania	OEL STEL (mg/m ³)	10 mg/m ³ 15 Min
Slovakia	NPHV (priemerná) (mg/m ³)	5 mg/m ³ 8 Hrs
Spain	VLA-ED (mg/m ³)	5 mg/m ³ 8 Hrs
Spain	VLA-EC (mg/m ³)	10 mg/m ³ 15 Min
Sweden	nivågränsvärde (NVG) (mg/m ³)	1 mg/m ³
Sweden	kortidsvärde (KTV) (mg/m ³)	3 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	500 mg/m ³
Norway	Grenseverdier (AN) (mg/m ³)	1 mg/m ³
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves
Eye protection	: Chemical goggles or safety glasses
Respiratory protection	: Wear appropriate mask
Other information	: Do not eat, drink or smoke during use.

Section 9

Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: -33 °C
Boiling point	: No data available
Flash point	: > 210 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 870,4 kg/m ³ @40°C
Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 135,6 mm ² /s @40°C



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Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

Section 10

Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

Section 11

Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

SN 500 (74869-22-0)	
LD50 oral (rat)	5000 mg/kg
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 2000 mg/kg



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Mineral oil	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 5000 mg/kg
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 5000 mg/l/4h

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

OWS 700 Syntho Ultimate SAE 10W-50	
Viscosity, kinematic	135,6 mm ² /s @40°C

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
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Section 12

Ecological information

12.1. Toxicity

SN 500 (74869-22-0)	
LC50 fish 1	16 mg/l 96 Hrs
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
EC50 Daphnia 1	10000 mg/l
Mineral oil	
LC50 fish 1	16 mg/l
LC50 other aquatic organisms 1	0,1 mg/l

12.2. Persistence and degradability

OWS 700 Syntho Ultimate SAE 10W-50	
Persistence and degradability	Not established.
Mineral oil	
Biodegradation	31 % 28 Days OECD TG 301 B

12.3. Bioaccumulative potential

OWS 700 Syntho Ultimate SAE 10W-50	
Bioaccumulative potential	Not established.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Log Kow	> 4



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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment

Section 13

Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

Section 14

Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable



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IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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Section 15

Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference	: Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

Ministry's list of carcinogens	: Calcium long chain alkaryl sulphonate, Distillates (petroleum), hydrotreated heavy paraffinic are listed
Ministry's list of mutagens	: Calcium long chain alkaryl sulphonate, Distillates (petroleum), hydrotreated heavy paraffinic are listed
NON-exhaustive list of reproductive toxins - Breastfeeding	: None of the components are listed
NON-exhaustive list of reproductive toxins - Fertility	: None of the components are listed
NON-exhaustive list of reproductive toxins - Evolution	: None of the components are listed

Denmark

Classification remarks	: Emergency management guidelines for the storage of flammable liquids must be followed
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15.2. Chemical safety assessment

No chemical safety assessment has been carried out



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Section 16

Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Skin Sens. 1	Sensitisation — Skin, Category 1
H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H413	May cause long lasting harmful effects to aquatic life
EUH208	Contains . May produce an allergic reaction
EUH210	Safety data sheet available on request