



Oil System Cleaner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Oil System Cleaner

Product code : W47241

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Treatment for the cleaning of oil circuits.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wynn's Belgium
Industriepark-West 46
9100 Sint-Niklaas - Belgium
T +32 3 766 60 20 - F +32 3 778 16 56
msds@wynns.eu - www.wynns.com

1.4. Emergency telephone number

Emergency number : BIG: +32(0)14/58.45.45 (NL FR EN DE)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Asp. Tox. 1 H304

Aquatic Chronic 3 H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) : Danger

Hazardous ingredients : Hydrocarbons, C10, aromatics, <1% naphthalene; distillates (Fischer-Tropsch), C8-26, branched and linear

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.
H412 - Harmful to aquatic life with long lasting effects.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary statements (CLP) : P102 - Keep out of reach of children.

P405 - Store locked up.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor

P331 - Do NOT induce vomiting.

P273 - Avoid release to the environment.

Detergent Regulation : Labelling of contents:(Regulation (EC) No. 648/2004 of 31 March 2004 on detergents):

Component	%
aromatic hydrocarbons	5-15%
non-ionic surfactants	<5%

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
distillates (Fischer-Tropsch), C8-26, branched and linear	(CAS-No.) 848301-67-7 (EC-No.) 481-740-5 (REACH-no) 01-0000020119-75	50 - 75	Asp. Tox. 1, H304
Hydrocarbons, C10, aromatics, <1% naphthalene	(EC-No.) 918-811-1 (REACH-no) 01-2119463583-34	10 - 25	STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)	(CAS-No.) 68603-38-3 (EC-No.) 271-653-9 (REACH-no) 01-2119951823-33	2,5 - 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified substance with a Community workplace exposure limit	(CAS-No.) 64742-65-0 (EC-No.) 265-169-7 (EC Index-No.) 649-474-00-6 (REACH-no) 01-2119471299-27	1 - 2,5	Not classified
Naphthalene	(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2 (REACH-no) 01-2119561346-37	0,1 - 1	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Check the vital functions. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Ingestion of large quantities: immediately to hospital.

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

Symptoms/effects after ingestion : Risk of aspiration pneumonia. May be fatal if swallowed and enters airways.

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 : Water spray. AFFF foam. ABC-powder.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid. Agitation can cause build up of electrostatic charge.

Explosion hazard : Product is not explosive.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection. protective clothing.

Emergency procedures : Mark the danger area. Prevent flow to low areas. In confined space use self-contained breathing apparatus. Take off contaminated clothing.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain leaking substance, pump over in suitable containers.

Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean preferably with a detergent - Avoid the use of solvents.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Meet the legal requirements. Repeated exposure may cause skin dryness or cracking. Presents no particular risk when handled in accordance with good occupational hygiene practice.

Hygiene measures : Use good personal hygiene practices. IF ON SKIN: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Does not require any specific or particular technical measures.

Storage conditions : Protect from sunlight. Store in a well-ventilated place. Meet the legal requirements.

Storage area : Meet the legal requirements. Ventilation along the floor.

Special rules on packaging : Store in a closed container. Labelling according to.

7.3. Specific end use(s)

Read label before use. Observe the label precautions.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrocarbons, C10, aromatics, <1% naphthalene

Belgium	Limit value (mg/m ³)	200 mg/m ³
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Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified (64742-65-0)

EU	IOELV TWA (mg/m ³)	5 mg/m ³
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Italy - Portugal - USA	ACGIH TWA (mg/m ³)	5 mg/m ³
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ACGIH

Naphthalene (91-20-3)

EU	IOELV TWA (mg/m ³)	50 mg/m ³
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EU	IOELV TWA (ppm)	10 ppm
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Belgium	Limit value (mg/m ³)	53 mg/m ³
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Belgium	Limit value (ppm)	10 ppm
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Belgium	Short time value (mg/m ³)	80 mg/m ³
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Belgium	Short time value (ppm)	15 ppm
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Belgium	Remark (BE)	D
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Hungary	AK-érték	50 mg/m ³
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distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

PNEC (Sediment)

PNEC sediment (freshwater)	2,06 mg/kg dwt
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distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

PNEC (Soil)

PNEC soil 1,68 mg/kg dwt

PNEC (STP)

PNEC sewage treatment plant 10 mg/l

Hydrocarbons, C10, aromatics, <1% naphthalene

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 12,5 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 151 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects, oral 7,5 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 32 mg/m³

Long-term - systemic effects, dermal 7,5 mg/kg bodyweight/day

Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 4,16 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 73,44 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects, oral 6,25 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 21,73 mg/m³

Long-term - systemic effects, dermal 2,5 mg/kg bodyweight/day

PNEC (STP)

PNEC sewage treatment plant 0,83 mg/l

Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified (64742-65-0)

PNEC (Oral)

PNEC oral (secondary poisoning) 9,33 mg/kg food

2,2'-iminodiethanol (111-42-2)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 0,13 mg/kg bodyweight/day

Long-term - local effects, inhalation 1 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects, oral 0,06 mg/kg bodyweight/day

Long-term - systemic effects, dermal 0,07 mg/kg bodyweight/day

Long-term - local effects, inhalation 0,25 mg/m³

PNEC (Water)

PNEC aqua (freshwater) 0,0156 mg/l

PNEC aqua (marine water) 0,00156 mg/l

PNEC aqua (intermittent, freshwater) 0,097 mg/l

PNEC (Sediment)

PNEC sediment (freshwater) 0,0718 mg/kg dwt

PNEC sediment (marine water) 0,00718 mg/kg dwt

PNEC (Soil)

PNEC soil 0,00518 mg/kg dwt

PNEC (Oral)

PNEC oral (secondary poisoning) 1,04 mg/kg food

PNEC (STP)

PNEC sewage treatment plant 100 mg/l

Naphthalene (91-20-3)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 3,57 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 25 mg/m³

Long-term - local effects, inhalation 25 mg/m³

PNEC (STP)

PNEC sewage treatment plant 2,9 mg/l

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8.2. Exposure controls

Appropriate engineering controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Does not require any specific or particular technical measures.

Personal protective equipment

: Gloves. Safety glasses.



Hand protection

: Neoprene. Nitrile rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer.

Other information

: Breakthrough time : >30'. Thickness of the glove material >0,1 mm.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear.
Colour	: Yellow.
Odour	: characteristic.
Odour threshold	: No data available
pH	:
Relative evaporation rate (butylacetate=1)	: No data available
refraction index	: 1,46
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 72 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density @20°C	: 826 kg/m ³
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: 3,6 mm ² /s
Viscosity, dynamic @40°C	: No data available
Viscosity	:
Viscosity Index	:
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: 71,6 %
Other properties	: Dimethylsulfoxide (DMSO) <3%.
Additional information	: The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from strong acids and strong oxidizers.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On burning: release of harmful/irritant gases/vapours. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful: may cause lung damage if swallowed

distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

LD50 oral rat > 5000 mg/kg bodyweight Sprague-Dawley

LD50 dermal rat > 2000 mg/kg bodyweight Sprague-Dawley

Hydrocarbons, C10, aromatics, <1% naphthalene

LD50 oral rat 6318 mg/kg bodyweight CrI:CDBR

LD50 dermal rabbit > 2000 mg/kg bodyweight New Zealand White

LC50 inhalation rat (mg/l) > 4,688 mg/l/4h Sprague-Dawley

ATE CLP (oral) 6318 mg/kg bodyweight

Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)

LD50 oral rat > 3000 mg/kg bodyweight

Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified (64742-65-0)

LD50 oral rat > 5000 mg/kg bodyweight Sprague-Dawley

LD50 dermal rabbit > 2000 mg/kg bodyweight New Zealand White

LC50 inhalation rat (mg/l) > 5,53 mg/l/4h Sprague-Dawley

Naphthalene (91-20-3)

LD50 oral rat > 2000 mg/kg bodyweight Sprague-Dawley

LD50 dermal rat > 2500 mg/kg bodyweight Sherman

ATE CLP (oral) 500 mg/kg bodyweight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This product contains hazardous components for the aquatic environment.

Ecology - water : Harmful to aquatic life with long lasting effects.

distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

LC50 fish 1 > 1000 mg/l @96h Pimephales promelas

EC50 Daphnia 1 > 1000 mg/l @48h Daphnia magna

EC50 other aquatic organisms 1 > 1000 mg/l @72h Pseudokirchneriella subcapitata

NOEC (acute) > 1000 mg/l @48h Daphnia magna

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Hydrocarbons, C10, aromatics, <1% naphthalene

LC50 fish 1	96h 2 - 5 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 10 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 1 - 3 mg/l Pseudokirchneriella subcapitata

Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)

LC50 fish 1	96h 1,2 mg/l oncorhynchus mykiss
NOEC (acute)	72h 2 mg/l Desmodesmus subspicatus
NOEC (chronic)	> 0,01 (≤ 0,1) mg/l @21d daphnia magna

Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified (64742-65-0)

LC50 fish 1	> 100 mg/l @96h Pimephales promelas
EC50 Daphnia 1	> 10000 mg/l @48h Daphnia magna
EC50 other aquatic organisms 1	≤ 100 mg/l @72h Pseudokirchneriella subcapitata

Naphthalene (91-20-3)

LC50 fish 1	96h 1,6 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	48h 2,16 mg/l Daphnia magna

12.2. Persistence and degradability

distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

Persistence and degradability	Readily biodegradable.
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Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)

Persistence and degradability	biodegradable.
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12.3. Bioaccumulative potential

distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

Log Pow	> 6,5 @40°C
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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

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant. Avoid release to the environment.
European List of Waste (LoW) code	: 18 01 06* - chemicals consisting of or containing dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances

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

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

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14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

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

Not applicable

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

VOC content : 71,6 %

15.1.2. National regulations

Water hazard class (WGK) : 2 - Significantly hazardous to water

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)

Aquatic Acute 1

Aquatic Chronic 1

Aquatic Chronic 2

Aquatic Chronic 3

Asp. Tox. 1

Carc. 2

Eye Irrit. 2

Skin Irrit. 2

STOT SE 3

H302

H304

H315

H319

H336

H351

H400

H410

H411

H412

EUH066

Acute toxicity (oral), Category 4

Hazardous to the aquatic environment — Acute Hazard, Category 1

Hazardous to the aquatic environment — Chronic Hazard, Category 1

Hazardous to the aquatic environment — Chronic Hazard, Category 2

Hazardous to the aquatic environment — Chronic Hazard, Category 3

Aspiration hazard, Category 1

Carcinogenicity, Category 2

Serious eye damage/eye irritation, Category 2

Skin corrosion/irritation, Category 2

Specific target organ toxicity — Single exposure, Category 3, Narcosis

Harmful if swallowed.

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Suspected of causing cancer.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

Toxic to aquatic life with long lasting effects.

Harmful to aquatic life with long lasting effects.

Repeated exposure may cause skin dryness or cracking.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product