

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

1.1. Product identifier

Trade name	Marisol OD
Article No.	24-4048
UFI code	FMM8-Y0AY-W00Y-F82U

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

Product type	Degreasing agent
Relevant identified uses	Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Supplier	AB DFS
Street address	Fiskebäcks Hamn 7 426 58 Västra Frölunda Sweden
Telephone	031-29 14 35
Email	order@dfs-ab.se
Web site	www.dfs-ab.se

1.4. Emergency telephone number

Emergency phone number	112
Available outside office hours	Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification	Serious eye damage, hazard category 1 Aspiration hazard, hazard category 1
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Hazard statements	H304, H318
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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word	Danger
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Hazard statements	H304 May be fatal if swallowed and enters airways. H318 Causes serious eye damage.
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Precautionary statements

P280 Wear eye protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.

2.3. Other hazards

Other hazards

This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	- 926-141-6 01-2119456620-43 -	30 - 100%	Asp. Tox. 1	H304, EUH066 - -	-
Propylheptanol ethoxylated	160875-66-1 605-233-7 - -	3 - 7%	Acute Tox. 4 - oral, Eye Dam. 1	H302, H318 - -	-
Dipropylene glycolmethylether	34590-94-8 252-104-2 01-2119450011-60 -	3 - 6%	-	- - -	-

Substance additional information

Section 16 for the full text of H-phrases mentioned in this section.

SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures

In uncertainty or when symptoms persist, seek medical attention.

Inhalation

Fresh air and rest. Keep an eye on the injured person. If symptoms persist, call a physician. In the event of breathing difficulties, provide respiration assistance and contact a doctor immediately.

Skin contact

Rinse immediately with plenty of water. Remove contaminated clothing and shoes immediately.

Eye contact

Rinse immediately with plenty of water. If symptoms persist, call a physician.

Ingestion

Rinse mouth with water. DO NOT INDUCE VOMITING! In the event of vomiting, hold the head low so that the contents of the stomach do not make their way down into the lungs. Call a physician immediately.

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

Most important symptoms and effects, both acute and delayed

Harmful: may cause lung damage if swallowed.
Risk of serious damage to eyes.

Inhalation

Exposure to solvent vapours and spraying mist may cause headaches, dizziness, tiredness and nausea.

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

Indication of any immediate medical attention and special treatment needed	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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Unsuitable extinguishing media	Do not use a direct jet of water.
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5.2. Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	The product may accumulate static electricity. In case of fire, the following can be released: Carbon oxides, nitrogen oxides (NOx).
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5.3. Advice for firefighters

Special protective equipment for fire-fighters	Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face mask. Firefighter equipment (eg helmet, safety boots and gloves) that complies with the European standard EN 469, provides basic protection in the event of chemical accidents.
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Measures in case of fire	Immediately isolate the area by dismissing people in the vicinity of the fire. No measures involving personal risk shall be taken without training or measures.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures	Ensure good ventilation. Wear suitable protective equipment. Do not inhale fumes.
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6.2. Environmental precautions

Environmental precautions	Prevent entry to sewers and public waters. Notify the responsible authority in the event of contamination of soil or water, or discharges into sewage systems.
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6.3. Methods and material for containment and cleaning up

Methods and material for containment and cleaning up	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Pick up and transfer to properly labelled containers.
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6.4. Reference to other sections

Reference to other sections	Personal protection see section 8 and for disposal see section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions	Ensure good ventilation. Avoid the inhalation of fumes as well as contact with skin and eyes. Prevent sparking as a result of static electricity. The equipment must be earthed.
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General hygiene Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities Keep locked-up. Keep container tightly closed. Store separately from sources of ignition. Keep in properly labelled containers.

7.3. Specific end use(s)

Specific end use(s) See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Source	Remark	Year
Dipropylene glycolmethylether	34590-94-8 252-104-2	50 308	OELs - Occupational Exposure Limits - 1st list	European Union, Sk	2000

8.2. Exposure controls

Appropriate engineering controls Ensure good ventilation. Mechanical ventilation or local extraction may be required.

Eye / face protection Wear protective goggles if there is a risk of direct contact or splashes.

Hand protection For prolonged or repeated contact use protective gloves.
Protective gloves complying with EN 374.

Other skin protection Wear suitable protective clothing.

Respiratory protection Wear breathing protection with a type A filter (brown) in the event of insufficient ventilation.

Environmental exposure controls Prevent discharges to watercourses, waste water or the ground.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid

Colour Yellowish

Odour Weak

Melting point / freezing point No information available

Boiling point or initial boiling point and boiling range No information available

Flammability No information available

Lower and upper explosion limit No information available

Flash point >70

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Auto-ignition temperature	No information available
Decomposition temperature	No information available
pH	No information available
Kinematic viscosity	No data available
Viscosity, dynamic	No information available
Solubility	Not miscible with water.
Partition coefficient n-octanol/water	No information available
Vapour pressure	No information available
Density and/or relative density	800 kg/m ³
Relative vapour density	No information available
Evaporation Rate	No information available
Explosive properties	No information available
Oxidising properties	No information available

9.2. Other information

Other information	No information available
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Not reactive.
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10.2. Chemical stability

Chemical stability	Stable under normal usage and storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid contact with strong oxidizing agents. Keep away from flames and sparks.
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10.5. Incompatible materials

Incompatible materials	Avoid contact with strong oxidizing agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No harmful degradation products during normal handling.
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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Ingestion may cause nausea and vomiting. Aspiration into the lungs during vomiting or ingestion can result in chemical pneumonia.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics / 926-141-6	LD50	> 5000 mg/kg	Oral	-	Rat	OECD 401
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics / 926-141-6	LD50	> 5000 mg/kg	Dermal	24h	Rabbit	OECD 402
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics / 926-141-6	LC50	> 5000 mg/m3	Inhalation	4h	Rat	OECD 403
Propylheptanol ethoxylated 160875-66-1 / 605-233-7	LD50	> 300-2000 mg/kg	Oral	-	Rat	-

Skin corrosion/irritation

Based on the available data, the classification criteria are not met.

Degreases the skin. Prolonged or repeated exposure may cause drying and cracking of the skin.

Serious eye damage/irritation

Causes serious eye damage.

Germ cell mutagenicity

Based on the available data, the classification criteria are not met.

Carcinogenicity

Based on the available data, the classification criteria are not met.

Reproductive toxicity

Based on the available data, the classification criteria are not met.

STOT-single exposure

Based on the available data, the classification criteria are not met.

STOT-repeated exposure

Based on the available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

Toxicity in case of inhalation

May cause headache, dizziness, fatigue and nausea.

11.2. Information on other hazards

Other information

No information available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity The product is not classified as environmentally harmful.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics / 926-141-6	LL50	> 1000 mg/l	96h	Rainbow trout
Propylheptanol ethoxylated 160875-66-1 / 605-233-7	LC50	>10-100 mg/l	96 h	Rainbow trout

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics / 926-141-6	EL50	> 1000 mg/l	72h	-
Propylheptanol ethoxylated 160875-66-1 / 605-233-7	EC50	> 10-100 mg/l	72h	Scenedesmus subspicatus

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics / 926-141-6	LL50	> 1000 mg/l	48h	Daphnia magna
Propylheptanol ethoxylated 160875-66-1 / 605-233-7	EC50	>10-100 mg/l	48 h	Daphnia magna (Water flea)

12.2. Persistence and degradability

Persistence and degradability The component surfactants are easily biodegradable according to Regulation (EC) No 648/2004 on detergents.

Product / Substance name CAS / EC no.	Type of test	Result	Degradation	Method / Guideline
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics / 926-141-6	BOD	Readily biodegradable.	> 60%	-
Propylheptanol ethoxylated 160875-66-1 / 605-233-7	-	Readily biodegradable	-	OECD TG 301D

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12.3. Bioaccumulative potential

Bioaccumulative potential Bio-accumulation is unlikely.

12.4. Mobility in soil

Mobility No information available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available

12.7. Other adverse effects

Other adverse effects No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations Dispose of any product, residue or packing material according to national and local regulations. Empty containers contain product residues and can be dangerous. Do not dispose of waste into sewer. Empty, cleaned packaging can be sorted for recycling.

Packaging Contaminated packaging must be disposed of as product.

Waste code	Description
07 06 04*	other organic solvents, washing liquids and mother liquors
20 01 13*	Solvents

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Other

Waste code The waste code is a recommendation. Depends on business area and use. Appropriate classification of waste is the user's responsibility.

SECTION 14: Transport information

14.1. UN number

UN number Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

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14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council, (REACH).
European Parliament and Council Regulation (EC) No. 1272/2008, CLP.
EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 648/2004 on detergents.
The International Maritime Dangerous Goods (IMDG) Code, 2020 Edition.

National regulations

Local laws and regulations should be carefully observed.

15.2. Chemical safety assessment

Chemical safety assessment

A chemical safety assessment has been performed for:
Hydrocarbons, C 11 -C 14, n-alkanes, isoalkanes, cyclic, <2% aromatics

SECTION 16: Other information

Changes to previous revision

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Abbreviations

PBT: Persistent, Bioaccumulative and Toxic.
vPvB: very Persistent and very Bioaccumulative.
LD50: Lethal dose, the dose that kills 50% of a population.
LC50: Lethal concentration for 50% of a test population.
DNEL: Derived level without observed effects.
PNEC: Presumed concentration without observed effects.

References to key literature and data sources

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Evaluation methods for classification

The classification is based on the addition method according to Regulation (EC) No 1272/2008 (CLP).

Phrase meaning

Asp. Tox. 1 - Aspiration hazard, hazard category 1
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Eye Dam. 1 - Serious eye damage, hazard category 1
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H318 Causes serious eye damage.
EUH066 Repeated exposure may cause skin dryness or cracking.