

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

1.1. Product identifier

Trade name	Marisol EC
Article No.	24-4026
UFI code	32FV-P03U-F006-X899

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	Aspiration hazard, hazard category 1
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Hazard statements	H304
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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms	
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Signal word	Danger
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Precautionary statements	P331 Do NOT induce vomiting. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P405 Store locked up.
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More information	Contains: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics EUH066 Repeated exposure may cause skin dryness or cracking.
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2.3. Other hazards

Other hazards

The substance/mixture does not contain any components that are considered persistent, bioaccumulative and toxic (PBT) or very persistent and highly bioaccumulative (vPvB) at levels of 0.1% or higher.

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, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	- 918-481-9 01-2119457273-39 -	>30 - <100%	Asp. Tox. 1	H304, EUH066 - -	-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

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! If vomiting occurs, keep head low so that stomach content does not get 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.
Mild eye irritation.

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media Do not use a direct jet of water.

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).

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.

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.

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. Avoid the inhalation of fumes as well as contact with skin and eyes. Prevent sparking as a result of static electricity.

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.

6.3. Methods and material for containment and cleaning up

Methods and material for containment and cleaning up CONTAINMENT: Contain spill with soil, sand or other inert material. Pump up liquid spillage with explosion-proof pump or hand pump, or use suitable absorbent material. 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).

6.4. Reference to other sections

Reference to other sections Personal protection see section 8 and for disposal see section 13.

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.

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. Keep in properly labelled containers. Store separately from sources of ignition.

7.3. Specific end use(s)

Specific end use(s) See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

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. During spray-application use respirators with combination filter A/P3.

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

Clear

Odour

Slight odour.

Melting point / freezing point

No information available

Boiling point or initial boiling point and boiling range

160 - 245 °C

Flammability

No information available

Lower and upper explosion limit

No information available

Flash point

> 61 °C

Auto-ignition temperature

No information available

Decomposition temperature

No information available

pH

No information available

Kinematic viscosity

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

No information available

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Relative vapour density No information available

Particle characteristics Not relevant.

9.2. Other information

Other information No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No special safety precautions are required.

10.2. Chemical stability

Chemical stability Stable under normal usage and storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions The product may accumulate static electricity.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Incompatible materials Avoid contact with strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products No harmful degradation products during normal handling.

SECTION 11: Toxicological information

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

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

Skin corrosion/irritation Based on the available data, the classification criteria are not met.
Degreases the skin. Protracted or repeated exposure may cause drying and cracking of the skin.

Serious eye damage/irritation Based on the available data, the classification criteria are not met.
May cause eye irritation.

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.

LD50 Oral Oral LD50 (rat) > 15000 mg/kg bw.

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LD50 Dermal Dermal LD50 (rabbit) > 3160 mg/kg bw.

LC50 Inhalation Inhalation LC50 (rat) >6100 mg/m³.

11.2. Information on other hazards

Endocrine disrupting properties Contains no substances with endocrine disrupting properties.

Other information No information available

SECTION 12: Ecological information

12.1. Toxicity

Toxicity The product is not classified as environmentally harmful.

Acute fish toxicity Water accommodated fractions of hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics, produced a 96-hour LL50 value of >1000 mg/L and LL0 value of 1000 mg/l with rainbow trout, *Oncorhynchus mykiss*.

Acute algae toxicity EL50 >1000 mg/l.

Acute crustacean toxicity The hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics, estimated freshwater invertebrate 21-day NOELR (No Observed Effect Loading Rate) value is 0.176 mg/l based on reproduction.

12.2. Persistence and degradability

Persistence and degradability Expected to be easily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation 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 Contains no substances with endocrine disrupting properties.

12.7. Other adverse effects

Other adverse effects No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations Dispose of as special waste in compliance with local and national regulations. Dispose of any product, residue or packing material according to national and local regulations. The product should not be allowed to enter drains, water courses or the soil.

Packaging Empty, cleaned packaging can be sorted for recycling.

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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)

Label Not applicable.

14.4. Packing group

Packing group Not applicable.

14.5. Environmental hazards

Environmental hazards Not applicable.

14.6. Special precautions for user

Special precautions for user Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

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.
ADR 2021: Agreement concerning the International Carriage of Dangerous Goods by Road, ECE/TRANS/300.

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, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

SECTION 16: Other information

Changes to previous revision

1

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.
LL50: a statistically or graphically estimated loading rate of test material that is expected to be lethal to 50% of a representative subpopulation of the aquatic organisms under specified conditions for a specific time.
EC50: The concentration of a substance that affects 50% of a population over a given period of time.
EL50: Median effective loading value.

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
H304 May be fatal if swallowed and enters airways.
EUH066 Repeated exposure may cause skin dryness or cracking.