

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
Marisol AC-2

Version number: 5

Issued: 2022-04-27

Replaces SDS: 2021-06-15

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

1.1. Product identifier

Trade name	Marisol AC-2
Article No.	24-4005
UFI code	NNR8-R0SN-A007-J9FV

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	Specific Target Organ Toxicity — Repeated exposure, hazard category 1 Hazardous to the aquatic environment — Chronic hazard category 3 Serious eye damage, hazard category 1 Aspiration hazard, hazard category 1
-----------------------	--

Hazard statements	H304, H318, H372, H412
--------------------------	------------------------

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word Danger

Hazard statements	H304 May be fatal if swallowed and enters airways. H318 Causes serious eye damage. H372 Causes damage to organs through prolonged or repeated exposure CNS (Inhalation). H412 Harmful to aquatic life with long lasting effects.
--------------------------	---

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
Marisol AC-2

Version number: 5

Issued: 2022-04-27

Replaces SDS: 2021-06-15

Precautionary statements

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P280 Wear protective gloves/protective clothing/eye protection/face 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.
P310 Immediately call a POISON CENTER/doctor
P270 Do not eat, drink or smoke when using this product.
P405 Store locked up.

More information

Contains:
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
C9-11 Alcohol ethoxylate

EUH066 Repeated exposure may cause skin dryness or cracking.

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, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	- 919-164-8 01-2119473977-17 -	30 - 95%	Asp. Tox. 1, STOT RE 1, Aquatic Chronic 3	H304, H372, H412, EUH066 - -	-
C9-11 Alcohol ethoxylate	68439-46-3 614-482-0 01-2119980051-45 -	5 - 15%	Acute Tox. 4 - oral, Eye Dam. 1	H302, H318 - -	-

Substance additional information

Regulation (EC) No 648/2004 on detergents: Contains: Nonionic surfactants.

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

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. In the event of breathing difficulties, provide respiration assistance and contact a doctor immediately.

Skin contact

Remove contaminated clothing and shoes immediately. IF ON SKIN: Wash with plenty of soap and water.

Eye contact

In case of contact with eyes, remove any contact lenses and rinse immediately with plenty of water, even under the eyelids, for at least 15 minutes. Seek medical attention immediately.

Ingestion

If swallowed, rinse mouth with water (only if the person is conscious). DO NOT INDUCE VOMITING! 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.
Degreasing effect on the skin.
Causes damage to organs through prolonged or repeated exposure, target organ: CNS (by inhalation).

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.

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. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures

Ensure good ventilation. Avoid contact with the skin and the eyes. Do not inhale fumes. Evacuate personnel to safe areas. Wear suitable protective equipment.

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

Stop leaks only if no risk is involved.
For small spills: Absorb with sand or other non-combustible absorbent material and place into containers for later disposal. Recover by pumping or with suitable absorbent.
Large spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

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/extraction at the workplace. Do not inhale fumes. Empty containers contain product residues and can be dangerous. Prevent sparking as a result of static electricity. The equipment must be earthed. Wear personal protective equipment.
--	--

General hygiene	Handle in accordance with good industrial hygiene and safety practice. Eye rinsing equipment should be located near the workplace. Wash hands after handling. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using the product.
------------------------	--

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. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be earthed and bonded to prevent accumulation of static charge.
---	--

7.3. Specific end use(s)

Specific end use(s)	Identified uses for this product are detailed in Section 1.2.
----------------------------	---

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

Appropriate engineering controls	Handle in accordance with good hygiene and safety practice, and only in well ventilated areas.
---	--

Eye / face protection	Use goggles or face shield (EN 166).
------------------------------	--------------------------------------

Hand protection	For prolonged or repeated contact use protective gloves. Protective gloves complying with EN 374. Material: Nitrile rubber
------------------------	---

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
--------------	------

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
Marisol AC-2

Version number: 5

Issued: 2022-04-27

Replaces SDS: 2021-06-15

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	> 62 °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	800 kg/m ³
Relative vapour density	No information available
Particle characteristics	Not relevant.
<i>9.2. Other information</i>	
Other information	No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	None under normal use.
-------------------	------------------------

10.2. Chemical stability

Chemical stability	Stable under normal usage and storage conditions.
---------------------------	---

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known.
---	-------------

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

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
C9-11 Alcohol ethoxylate 68439-46-3 / 614-482-0	LC50	> 1600 mg/m ³	Inhalation	4h	Rat	OECD 403
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) / 919-164-8	LD50	> 15000 mg/kg	Oral	-	Rat	OECD 401
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) / 919-164-8	LD50	>13,1 mg/l	Inhalation	4 h	Rat	OECD 403
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) / 919-164-8	LD50	> ~3400 mg/kg	Dermal	24h	Rabbit	OECD 402
C9-11 Alcohol ethoxylate 68439-46-3 / 614-482-0	LD50	3488 mg/kg bw	Oral	-	Rat	OECD 401
C9-11 Alcohol ethoxylate 68439-46-3 / 614-482-0	LD50	> 2000 mg/kg bw	Dermal	24h	Rabbit	OECD 402

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

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

Causes damage to organs through prolonged or repeated exposure, target organ: CNS (by inhalation).

Aspiration hazard

May be fatal if swallowed and enters airways.

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
Marisol AC-2

Version number: 5

Issued: 2022-04-27

Replaces SDS: 2021-06-15

Symptoms related to the physical, chemical and toxicological characteristics

May cause headache, dizziness, fatigue and nausea.

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

Acute toxicity

Harmful to aquatic life with long lasting effects.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) / 919-164-8	LL50	10-30 mg/l	96 h	Rainbow trout
C9-11 Alcohol ethoxylate 68439-46-3 / 614-482-0	LC50	5-7 mg/l	96h	Rainbow trout

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) / 919-164-8	EL50	10-100 mg/l	72 h	Pseudokirchneriella subcapitata
C9-11 Alcohol ethoxylate 68439-46-3 / 614-482-0	ErC50	1.4 mg/l	96h	Selenastrum capricornutum (green algae)

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) / 919-164-8	EL50	10-22 mg/l	48 h	Daphnia magna (Water flea)
C9-11 Alcohol ethoxylate 68439-46-3 / 614-482-0	EC50	2.5 mg/l	96h	Daphnia magna (Water flea)

Chronical toxicity

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
Marisol AC-2

Version number: 5
Issued: 2022-04-27
Replaces SDS: 2021-06-15

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) / 919-164-8	NOELR	0,28 mg/l	21 days	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.	Duration	Result	Degradation	Method / Guideline
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) / 919-164-8	28 days	74,7%	Readily biodegradable	PETRRISK model

12.3. Bioaccumulative potential

Bioaccumulative potential No information available

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 Not applicable.

12.7. Other adverse effects

Other adverse effects No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations The product is hazardous waste. Dispose of any product, residue or packing material according to national and local regulations. Do not dispose of waste into sewer.

Packaging Contaminated packaging must be disposed of as product. Empty containers contain product residues and can be dangerous. Empty, cleaned packaging can be sorted for recycling.

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

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. Regulation (EC) No 1272/2008 of the European Parliament and of the Council, CLP. EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 648/2004 on detergents.
-----------------------	--

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, aromatics (2-25%)
-----------------------------------	--

SECTION 16: Other information

Changes to previous revision	Changes are made in the following sections: 1
-------------------------------------	---

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
Marisol AC-2

Version number: 5

Issued: 2022-04-27

Replaces SDS: 2021-06-15

Abbreviations

PBT: Persistent, Bioaccumulative and Toxic.
vPvB: very Persistent and very Bioaccumulative.
DNEL: Derived level without observed effects.
PNEC: Presumed concentration without observed effects.
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.
ErC50: the concentration of test substance which results in a 50 percent reduction in growth rate.
EL50: Median effective loading value.
NOELR: No Observable Effect Loading Rate.

References to key literature and data sources

Classification and Labeling Register (ECHA)
ECHA - Registered substances

Phrase meaning

Asp. Tox. 1 - Aspiration hazard, hazard category 1
STOT RE 1 - Specific Target Organ Toxicity — Repeated exposure, hazard category 1
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3
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.
H372 Causes damage to organs through prolonged or repeated exposure .
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Other

Manufacturer's notes

Regulation (EC) No 648/2004 on detergents:
Aliphatic hydrocarbons >30% : Non-ionic surfactants 5-15%