

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

1.1. Product identifier

Trade name Marisol HAM-Treat

Article No. 24-4643

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

Product type Sequesterant
Water treatment chemical

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

Description The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

The product does not require labelling in accordance with CLP Regulation (EC) No 1272/2008.

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

No data available

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. Rest. If symptoms persist, call a physician.
Skin contact	Rinse with water. Remove contaminated clothing. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water. If symptoms persist, call a physician.
Ingestion	Drink a couple of glasses of water. DO NOT INDUCE VOMITING! If symptoms persist, call a physician.

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

Most important symptoms and effects, both acute and delayed	Skin contact may cause redness and irritation.
--	--

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	Can be extinguished with water mist, powder, foam or carbon dioxide.
-------------------------------------	--

Unsuitable extinguishing media	None known.
---------------------------------------	-------------

5.2. Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	Toxic gases are formed in the event of fire.
--	--

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	Wear suitable protective equipment. Avoid contact with spilled material.
--	--

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
Marisol HAM-Treat

Version number: 4
Issued: 2022-05-02
Replaces SDS: 2021-06-17

6.2. Environmental precautions

Environmental precautions Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods and material for containment and cleaning up Absorb in inert material (vermiculite, dry sand or soil) and collect. Minor spillages must be wiped up or rinsed away with water. Pick up and transfer to properly labelled containers.

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 Wear suitable protective equipment.

General hygiene Observe normal care to avoid eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities Keep in a cool, dry place and in sealed containers. Keep in properly labelled containers. Avoid contact with oxidizing agents.

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

Exposure limits Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Appropriate engineering controls Ensure good ventilation.

Eye / face protection Wear protective goggles when there is a risk of eye contact. EN 166.

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

Other skin protection Wear suitable protective clothing.

Environmental exposure controls Do not discharge into drains, drinking water supply or ground.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid

Colour Clear

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
Marisol HAM-Treat

Version number: 4

Issued: 2022-05-02

Replaces SDS: 2021-06-17

Odour	Slight odour
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	No data available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
pH	8 (concentrate)
Kinematic viscosity	No information available
Solubility	Soluble in water
Partition coefficient n-octanol/water	No information available
Vapour pressure	No information available
Density and/or relative density	No information available
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	Stable under normal usage and storage conditions.
-------------------	---

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions known.
---	-------------------------------

10.4. Conditions to avoid

Conditions to avoid	Avoid contact with oxidizing agents.
----------------------------	--------------------------------------

10.5. Incompatible materials

Incompatible materials	Oxidizing agents.
-------------------------------	-------------------

10.6. Hazardous decomposition products

Hazardous decomposition products	Can develop harmful vapors.
---	-----------------------------

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.
-----------------------	---

Ingestion may result in nausea, vomiting and/or diarrhoea.

Skin corrosion/irritation	Based on the available data, the classification criteria are not met.
----------------------------------	---

Protracted or repeated exposure may degrease the skin.

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

May cause redness, itching.

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

11.2. Information on other hazards

Endocrine disrupting properties	Not applicable.
--	-----------------

Other information	No information available
--------------------------	--------------------------

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity	The product is not classified as environmentally harmful.
-----------------------	---

Toxicity	Ecotoxicological information for the product is not available.
-----------------	--

Acute fish toxicity	
----------------------------	--

12.2. Persistence and degradability

Persistence and degradability	No information available
--------------------------------------	--------------------------

12.3. Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation improbable.
----------------------------------	-----------------------------

12.4. Mobility in soil

Mobility	No information available
-----------------	--------------------------

SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
Marisol HAM-Treat

Version number: 4

Issued: 2022-05-02

Replaces SDS: 2021-06-17

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

The product does not contain PBT or vPvB substances.

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

Non-hazardous waste according to the Waste Regulation. Dispose of any product, residue or packing material according to national and local regulations.

Packaging

Empty, cleaned packaging must be sorted for recycling.

Waste code	Description
07 06 99	wastes not otherwise specified

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.

National regulations

Local laws and regulations should be carefully observed.

15.2. Chemical safety assessment

Chemical safety assessment

No chemical safety assessment has been performed.

SECTION 16: Other information

Changes to previous revision

1

Abbreviations

PBT: Persistent, Bioaccumulative and Toxic.
vPvB: very Persistent and very Bioaccumulative.

Evaluation methods for classification

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