

**SAFETY DATA SHEET**  
According to Regulation (EC) No 1907/2006  
**Marizyme TC-B**

Version number: 4  
Issued: 2022-05-06  
Replaces SDS: 2021-06-18

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

### 1.1. Product identifier

**Trade name** Marizyme TC-B

**Article No.** 24-7674

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

**Product type** Acidic cleaner

**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](mailto:order@dfs-ab.se)

Web site [www.dfs-ab.se](http://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

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

### 2.3. Other hazards

**Other hazards** The product and its agents are not expected to be PBT and/or 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
C9-11 Alcohol ethoxylate	68439-46-3 614-482-0 - -	0 - <1%	Acute Tox. 4 - oral, Eye Dam. 1	H302, H318 - -	-

**Substance additional information**

Regulation (EC) No 648/2004 on detergents: Contains: Non-ionic surfactants <5%.  
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.

**Skin contact**

Remove contaminated clothing. Wash the skin immediately with soap and water.

**Eye contact**

Flush immediately with plenty of tempered water for several minutes.

**Ingestion**

Rinse mouth with water.

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

**Skin contact**

Mild irritation may occur in contact with skin.

**Eye contact**

Irritation may occur.

**Ingestion**

Irritation may occur.

### 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.

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*5.2. Special hazards arising from the substance or mixture*

**Special hazards arising from the substance or mixture** By heating or fire toxic gas is liberated.

*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.

*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** Avoid contact with eyes and skin. Use protective clothing.

*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. Store in original container. Keep in properly labelled containers. Keep in a frost-free place.

*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.

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*8.2. Exposure controls*

<b>Appropriate engineering controls</b>	Ensure good ventilation. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Eye / face protection</b>	Use eye protection. EN 166.
<b>Hand protection</b>	For prolonged or repeated contact use protective gloves. EN 374. Use suitable protective gloves made of nitrile rubber.
<b>Other skin protection</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	Breathing protection is not normally required. In case of inadequate ventilation wear respiratory protection.
<b>Environmental exposure controls</b>	Dispose of rinse water in accordance with local and national regulations.

## SECTION 9: Physical and chemical properties

*9.1. Information on basic physical and chemical properties*

<b>Physical state</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Slight odour
<b>Melting point / freezing point</b>	No information available
<b>Boiling point or initial boiling point and boiling range</b>	100 °C
<b>Flammability</b>	No information available
<b>Lower and upper explosion limit</b>	No information available
<b>Flash point</b>	No data available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>pH</b>	4.5 (concentrate).
<b>Kinematic viscosity</b>	No information available
<b>Solubility</b>	Soluble in water
<b>Partition coefficient n-octanol/water</b>	No information available
<b>Vapour pressure</b>	No information available
<b>Density and/or relative density</b>	No data available
<b>Relative density</b>	1
<b>Relative vapour density</b>	No information available
<b>Particle characteristics</b>	Not relevant.

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9.2. Other information

**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 information available.

10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

**Incompatible materials** Avoid contact with oxidizing substances, strong acids and strong bases.

10.6. Hazardous decomposition products

**Hazardous decomposition products** No harmful degradation products during normal handling.  
In case of fire, harmful vapors may form.

## 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.

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

**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** The surfactants are readily biodegradable according to Regulation (EC) No. 648/2004.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation improbable.

### 12.4. Mobility in soil

**Mobility** No information available

### 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.

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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).

**Phrase meaning**

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4  
Eye Dam. 1 - Serious eye damage, hazard category 1  
H302 Harmful if swallowed.  
H318 Causes serious eye damage.