



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : MICRO 10 ENZYME 2  
Product code : 2472000

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

Cleaning and pre-disinfection of medical devices  
For further information on product indication, please see the label.

#### 1.3. Details of the supplier of the safety data sheet

Registered company name : USF HEALTHCARE S.A..  
Address : Rue François-Perreard 4 - Case postale 142.CH-1225.CHENE-BOURG.SUISSE.  
Telephone : +41 22 839 79 00. Fax : +41 22 839 79 10.  
e:mail : fds@usfhc.com  
www.usfhealthcare.com

#### 1.4. Emergency telephone number : 145 ou +41 1 251 51 51.

Association/Organisation : CSIT (Tox) / STIZ (Tox-Zentrum) / STIC (The Tox).

### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).  
Serious eye damage, Category 1 (Eye Dam. 1, H318).  
Specific target organ toxicity (repeated exposure), Category 2 (STOT RE 2, H373).  
Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).  
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).  
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

#### 2.2. Label elements

Detergent mixture (see section 15).  
This mixture being intended for professional use only, the labelling for contents under detergent regulation does not appear on the label but is resumed in section 15

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



Signal Word :  
DANGER

Product identifiers :

EC 292-562-0 AMINES, N-C12-14-ALKYLTRIMETHYLENEDI-  
CAS 71060-57-6 ALCOHOLS, C8-10, ETHOXYLATED  
CAS 894406-76-9 N,N-DIDECYL-N,N-DIMETHYLAMMONIUM CARBONATE

Hazard statements :

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H373 May cause damage to organs through prolonged or repeated exposure (if swallowed).  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements - General :

P102 Keep out of reach of children.

## Precautionary statements - Prevention :

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection/face protection.

## Precautionary statements - Response :

P302 + P352 IF ON SKIN: Wash with plenty of water.

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 or doctor/physician.

## Precautionary statements - Disposal :

P501 Dispose of product and its container as hazardous waste.

## 2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

No other hazard identified in the current state of knowledge.

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Title for H and EUH statements: see § 16.

## 3.2. Mixtures

## Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: 016-026-00-0 CAS: 5329-14-6 EC: 226-218-8 REACH: 01-2119488633-28  SULPHAMIDIC ACID	GHS07 Wng Eye Irrit. 2, H319 Skin Irrit. 2, H315 Aquatic Chronic 3, H412		$2.5 \leq x \% < 10$
CAS: 90640-43-0 EC: 292-562-0 REACH: 01-2119957843-25  AMINES, N-C12-14-ALKYLTRIMETHYLENEDI-	GHS06, GHS05, GHS09, GHS08 Dgr Acute Tox. 3, H301 Skin Corr. 1B, H314 STOT RE 1, H372 Aquatic Acute 1, H400 M Acute = 100 Aquatic Chronic 1, H410 M Chronic = 1		$2.5 \leq x \% < 10$
CAS: 71060-57-6  ALCOHOLS, C8-10, ETHOXYLATED	GHS07, GHS05 Dgr Acute Tox. 4, H302 Eye Dam. 1, H318		$2.5 \leq x \% < 10$
CAS: 894406-76-9 REACH: 01-0000019102-83  N,N-DIDECYL-N,N-DIMETHYLAMMONIU M CARBONATE	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Skin Corr. 1B, H314 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 10		$0 \leq x \% < 2.5$
FATTY ALCOHOL ALKOXYLATE 8 / REF.NO.: 02-2119548508-30-0000	GHS07 Wng Skin Irrit. 2, H315		$0 \leq x \% < 2.5$

## SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

Reminder: any unconscious person must be placed in the lateral recovery position.

## 4.1. Description of first aid measures

## In the event of exposure by inhalation :



Move the person away from the place of exposure and take him/her outside.

**In the event of splashes or contact with eyes :**

If applicable, remove contact lenses.

Wash thoroughly with soft clean water for 15 minutes, holding the eyelids open.

Take care not to introduce rinsing water in the undamaged eye.

Additional treatment to be provided immediately in an eye clinic or by an ophthalmologist.

Continue rinsing until medical advice is obtained.

**In the event of splashes or contact with skin :**

Remove all contaminated or stained clothing immediately. Do not use them again until they have been decontaminated.

Rinse immediately and thoroughly with water.

In the event of skin irritation, seek medical advice.

**In the event of swallowing :**

Rinse out the mouth, do not allow to drink, do not induce vomiting. Calm the person down and transfer immediately to hospital or doctor. Show the label to the doctor.

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

Cf. § 11

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

Refer to the recommendation of the doctor.

## SECTION 5 : FIREFIGHTING MEASURES

**5.1. Extinguishing media**

**Suitable methods of extinction**

Any extinguishing agents are authorized: foam, sand, carbon dioxide, water, powder.

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

**5.3. Advice for firefighters**

Use autonomous insulating breathing apparatus and a full protective suit.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

Avoid all contact with skin or eyes.

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Do not get rid in natural spaces (waterways, ground and vegetations...)

**6.3. Methods and material for containment and cleaning up**

Absorb any spilled product with absorbent non-combustible materials, and sweep away or remove with a shovel. Put any waste in drums for disposal. Do not mix with any other waste. Wash the contaminated surface thoroughly with water.

Do not collect the product for re-use.

Do not get rid in natural spaces.

**6.4. Reference to other sections**

Disposal considerations: see section 13.

## SECTION 7 : HANDLING AND STORAGE

**7.1. Precautions for safe handling**

Product for external use - do not swallow.

Avoid all contact with skin, eyes and clothes.

Handle in accordance with user instructions on label

Handle at a temperature not exceeding 60° C.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.

Safety shower, eye bath and water point nearby.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep the container tightly closed

Keep ONLY in the original container

Store between + 5 °C and + 35 °C in a dry, well ventilated place

Do not use after the expiry date mentioned on the packaging.

Keep out of the reach of children

**7.3. Specific end use(s)**

For professional use only

Refer to paragraph 1 for product indication

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

The information in this chapter refers to the product specifically described in this document. If the product is handled and/or exposed simultaneously with other chemical agents, these must be taken into consideration when choosing personal safety equipment.

**8.1. Control parameters**

Not applicable

**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Prescription glasses are not considered as protection.

Avoid all contact with skin or eyes.

Make safety goggles with side protection available to the personnel.

Provide eye washes in workshops.

If necessary, the nearest water supply

**- Hand protection**

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

When handling this product, wear suitable gloves.

Nitrile, latex or vinyl gloves.

Gloves must be replaced immediately if they show signs of wear and tear.

**- Body protection**

Avoid skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**- Respiratory protection**

Not applicable in normal conditions of use.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****General information :**

Physical state :	Fluid liquid.
Odour:	sweet-smelling
Colour:	yellow

**Important health, safety and environmental information**

pH :	8.30 .
	Slightly basic.
Boiling point/boiling range :	Not specified.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	+/- 1.2
Water solubility :	Soluble.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.



## 9.2. Other information

No data available.

## SECTION 10 : STABILITY AND REACTIVITY

### 10.1. Reactivity

No hazardous reaction if the instructions/indications for storage and handling are respected.

### 10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

### 10.3. Possibility of hazardous reactions

Cf. § 10.1 and 10.2

### 10.4. Conditions to avoid

Avoid frost

### 10.5. Incompatible materials

Do not mix with other products.

### 10.6. Hazardous decomposition products

At high temperatures, dangerous decomposition products may be produced, such as fumes, carbon dioxide and carbon monoxide, nitrogen oxide.

## SECTION 11 : TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### 11.1.1. Substances

Not specified

#### 11.1.2. Mixture

The toxicological data of the mixture (resulting from studies or in accordance with conventional methods) are outlined below.

#### Acute toxicity :

Acute toxicity estimate (ATE)\* :

Oral ATE : > 2000 mg/kg

\* according to the method of calculation describe in the CLP regulation (Classification, Labelling, Packaging) Part 3 Chapter 3.1 based on the data of the different components present in the product.

If swallowed: burns to upper digestive and respiratory tract, abdominal pain, vomiting blood, serious lesions to mucous membranes and risk of perforation.

#### Skin corrosion/skin irritation :

Skin irritation: itching, light to moderate local redness, burning sensation...

#### Serious damage to eyes/eye irritation :

Serious eyes damage.

Burns, characterized by discomfort or pain, excessive blinking, lacrimation and redness, swelling of the conjunctiva.

## SECTION 12 : ECOLOGICAL INFORMATION

Following information is based on data from the compounds.

Avoid any product release into waterways.

### 12.1. Toxicity

#### 12.1.1. Substances

Not specified

#### 12.1.2. Mixtures

Acute toxicity:

Very toxic to aquatic organisms.

Chronic toxicity:

Toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 12.3. Bioaccumulative potential

No data available.

No data available.

### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

No data available.

#### 12.6. Other adverse effects

No data available.

### SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

The packages must not be reused.

Do not pour into waterways.

#### 13.1. Waste treatment methods

##### Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

##### Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

##### Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

18 01 06 \* chemicals consisting of or containing dangerous substances

20 01 29 \* detergents containing dangerous substances

For information :

The following waste codes are given as guidelines only.

The waste code must be determined by the user, according to the application of the product.

18 = Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)

20 = Municipal wastes and similar commercial, industrial and institutional wastes including separately collected fractions

### SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

#### 14.1. UN number

3082

#### 14.2. UN proper shipping name

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(amines, n-c12-14-alkyltrimethylenedi-)

#### 14.3. Transport hazard class(es)

- Classification :



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#### 14.4. Packing group

III

#### 14.5. Environmental hazards

- Environmentally hazardous material :



#### 14.6. Special precautions for user

