



## 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 EXCEL  
Product code : 3009000.

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

Cleaning and 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 : Laboratoires ANIOS.  
Address : 1 rue de l'espoir.59260.LEZENNES.FRANCE.  
Telephone : + 33 (0)3 20 67 67 67. Fax : + 33 (0)3 20 67 67 68.  
e.mail : fds@anios.com  
www.anios.com

#### 1.4. Emergency telephone number : + 33(0)1 45 42 59 59.

Association/Organisation : INRS.

### SECTION 2 : HAZARDS IDENTIFICATION

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

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

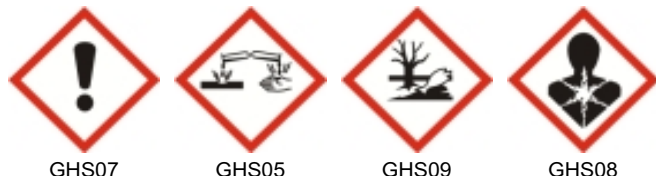
Acute oral toxicity, Category 4 (Acute Tox. 4, H302).  
Skin corrosion, Category 1B (Skin Corr. 1B, H314).  
Serious eye damage, Category 1 (Eye Dam. 1, H318).  
Specific target organ toxicity (repeated exposure), Category 2 (STOT RE 2, H373).  
Hazardous to the aquatic environment - Acute hazard, Category 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 :

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

Hazard statements :

H302 Harmful if swallowed.  
H314 Causes severe skin burns and 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/protective clothing/eye protection/face protection.
Precautionary statements - Response :	
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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 unused 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

### 3.2. Mixtures

#### Composition :

Identification	(EC) 1272/2008	Note	%
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-DIMETHYLAMMONIUM CARBONATE	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Skin Corr. 1B, H314 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 10		2.5 $\leq$ x % < 10
CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23  PROPYLENE GLYCOL		[1]	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: 1310-73-2 EC: 215-185-5 REACH: 01-2119457892-27  SODIUM HYDROXIDE	GHS05 Dgr Met. Corr. 1, H290 Skin Corr. 1A, H314	[1]	0 $\leq$ x % < 2.5
INDEX: 603-001-00-X CAS: 67-56-1 EC: 200-659-6 REACH: 01-2119433307-44	GHS02, GHS06, GHS08 Dgr Flam. Liq. 2, H225 Acute Tox. 3, H331 Acute Tox. 3, H311	[1]	0 $\leq$ x % < 2.5

METHANOL

Acute Tox. 3, H301  
STOT SE 1, H370

(Full text of H-phrases: see section 16)

**Information on ingredients :**

[1] Substance for which maximum workplace exposure limits are available.

**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. Show this container or label.  
Continue rinsing until medical advice is obtained.

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

If possible, wear rubber gloves when giving first aid.  
Remove all contaminated or stained clothing immediately. Do not use them again until they have been decontaminated.  
Rinse thoroughly with water during 15 minutes.  
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**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.  
Keep away any unprotected person.  
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**

Avoid all contact with skin, eyes and clothes.  
Handle in accordance with user instructions on label

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.  
Observe precautions stated on label and also industrial safety regulations.  
Avoid exposure - obtain special instructions before use.  
Safety shower, eye bath and water point nearby.  
Change any contaminated or wet work clothes immediately.  
Ensure room is well ventilated.

**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 in a well ventilated place  
Store ONLY in the original package.  
Recommended storage temperature: from +5°C to +25°C.  
Keep out of the reach of children  
Do not use after the expiry date mentioned on the packaging.  
Store away from incompatible materials (see section 10)

**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.

The Exposure Threshold Limit Value and the Average Exposure Value given below are quoted by the CAS number of the substance. Paragraph 3 details the chemical name corresponding to the CAS number.

**8.1. Control parameters****Occupational exposure limits :**

- European Union (2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m <sup>3</sup> :	VME-ppm :	VLE-mg/m <sup>3</sup> :	VLE-ppm :	Notes :
67-56-1	260	200	-	-	Peau

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

CAS	VME :	VME :	Excess	Notes
67-56-1		200 ppm 270 mg/m <sup>3</sup>		4(II)

- Belgium (Arrêté du 09/03/2014, 2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1310-73-2	2 mg/m <sup>3</sup>			M	
67-56-1	200 ppm 266 mg/m <sup>3</sup>	250 ppm 333 mg/m <sup>3</sup>		D	

- France (INRS - ED984 :2016) :

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
1310-73-2	-	2	-	-	-	-
67-56-1	200	260	1000	1300	(12)	84

- Spain (Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), 2017) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1310-73-2		2 mg/m <sup>3</sup>			
67-56-1	200 ppm 266 mg/m <sup>3</sup>			via dermica, VLB®, VLI	

- Poland (2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :

1310-73-2	0,5 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>				
67-56-1	100 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>				
- Czech Republic (Regulation No. 361/2007) :						
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
1310-73-2	1 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>		I		
67-56-1	250 mg/m <sup>3</sup>	1000 mg/m <sup>3</sup>		D		
- Slovakia (Règlement 300/2007, 471/2011 23/11/2011) :						
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
1310-73-2	2 mg/m <sup>3</sup>					
67-56-1	200 ppm 260 mg/m <sup>3</sup>			K		
- Switzerland (SUVAPRO 2017) :						
CAS	VME	VLE	Valeur plafond	Notations		
1310-73-2	2 i mg/m <sup>3</sup>	2 i mg/m <sup>3</sup>		SSC		
67-56-1	200 ppm 260 mg/m <sup>3</sup>	800 ppm 1040 mg/m <sup>3</sup>		R B SSC		
- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :						
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
57-55-6	150 ppm 474 mg/m <sup>3</sup>	- ppm - mg/m <sup>3</sup>				
1310-73-2	- ppm - mg/m <sup>3</sup>	- ppm 2 mg/m <sup>3</sup>				
67-56-1	200 ppm 266 mg/m <sup>3</sup>	250 ppm 333 mg/m <sup>3</sup>		Sk		

## 8.2. Exposure controls

### Appropriate engineering controls

Ensure the rooms are well-ventilated. Atmospheric concentrations at the workplace must not exceed the limit values given for normal conditions of use.

### 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

Avoid contact with eyes.

Before handling, wear safety goggles with protective sides accordance with standard EN166.

Prescription glasses are not considered as protection.

Provide eye washes in workshops.

If necessary, the nearest water supply

#### - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

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.

Neoprene or nitrile gloves are particularly recommended.

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.

Change wet and dirty work clothes immediately.

#### - Respiratory protection

In case of insufficient ventilation, with the risk of exceeding the TLVs (Threshold Limit Values)/TWA, wear suitable breathing apparatus.

Particularly breathing apparatus, A2P2 type

## 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:	blue
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**Important health, safety and environmental information**

pH :	Not stated.
	Strongly basic.
Boiling point/boiling range :	Not specified.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	+/- 1.1
Water solubility :	Soluble.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.

**9.2. Other information**

pH pure product:	> 12
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**SECTION 10 : STABILITY AND REACTIVITY****10.1. Reactivity**

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

Exothermic reaction with acids.

**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

Do not mix with other products.

**10.5. Incompatible materials**

Keep away from :

- acids

- strong acids

Steel

Zinc

Metals sensitive to alkalin pH (aluminium...)

Corrosive action on materials sensitive to strong alkaline pH: copper, aluminium, lead,... and their alloys

The risk of corrosion to metals concerns the concentrated product when put in contact with crude steel or an aluminium-based alloy.

At the application rate, the product is compatible with the materials encountered for the recommended uses.

Refer to the scientific folder\*: product/material compatibility table

\* available on request

**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 : ]300-2000] 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 :**

Severe skin irritation, burns, redness, dermatitis, necrosis of tissue.

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

Possibility of extensive damages to eyes if not quickly washed (serious ocular lesions are often observed in the event of prolonged contact with a solution with a pH higher than or equal to 11.5).

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

**Respiratory or skin sensitisation :**

Product not classified in this hazard category.

**Germ cell mutagenicity :**

Product not classified in this hazard category.

**Carcinogenicity :**

Product not classified in this hazard category.

**Reproductive toxicant :**

Product not classified in this hazard category.

**Specific target organ systemic toxicity - single exposure :**

Product not classified in this hazard category.

**Specific target organ systemic toxicity - repeated exposure :**

May cause serious damage to organs through repeated exposure or prolonged exposure (by ingestion).

**Aspiration hazard :**

Product not classified in this hazard category.

## 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.

### 12.4. Mobility in soil

No data available.

### 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 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

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

20 01 29 \* detergents containing dangerous substances

For information :

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

The following waste codes are given as guidelines only.

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 2017 - IMDG 2016 - ICAO/IATA 2017).

### 14.1. UN number

3267

### 14.2. UN proper shipping name

UN3267=CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.

(n,n-didecyl-n,n-dimethylammonium carbonate, amines, n-c12-14-alkyltrimethylenedi-)

### 14.3. Transport hazard class(es)

- Classification :



8

### 14.4. Packing group

II

### 14.5. Environmental hazards

- Environmentally hazardous material :



### 14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	8	C7	II	8	80	1 L	274	E2	2	E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	8	-	II	1 L	F-A,S-B	274	E2			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	8	-	II	851	1 L	855	30 L	A3 A803	E2	
	8	-	II	Y840	0.5 L	-	-	A3 A803	E2	

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15 : REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### - Classification and labelling information included in section 2:

The following regulations have been used:

Regulation (EC) No. 1272/2008 and its amendments.

#### - Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- 5 % or over but less than 15 % : nonionic surfactants
- disinfectants
- perfumes

### 15.2. Chemical safety assessment

Information from the chemical safety assessment of substances present in the product is included in the appropriate sections of this safety data



sheet, whenever necessary.

## SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture.

It is recommended that the information contained in this safety data sheet is provided to the users, if necessary in an appropriate form.

This information relates to the specifically designated product and may not be valid in combination with any another product. The product must not be used for applications other than those specified in heading 1 without having first obtained written handling instructions.

### Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H370	Causes damage to organs .
H372	Causes damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

### Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

GHS05 : Corrosion

GHS07 : Exclamation mark

GHS08 : Health hazard

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.