

# BioFinder

## MATERIAL SAFETY DATA SHEET



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	BIOFINDER Code: G7010	
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**SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

1.1	<p><u>PRODUCT IDENTIFIER:</u> <span style="float: right;">BIOFINDER Code: G7010</span></p>
1.2	<p><u>RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST:</u>  <u>Intended uses (main technical functions):</u> <span style="float: right;">[X] Industrial [X] Professional [ ] Consumers</span>                  Hygiene monitoring product.  <u>Uses advised against:</u>                  This product is not recommended for any use or sector of use industrial, professional or consume other than those previously listed as 'Intended or identified uses'.</p>
1.3	<p><u>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</u>                  ITRAM HIGIENE, S.L.                  Miramarges 7, 1º - 4ª. 08500 - Vic (Barcelona)                  Phone: (+34) 93 886 97 33 - Fax: (+34) 93 883 49 94  <u>E-mail address of the person responsible for the safety data sheet:</u>                  info@itramhigiene.com</p>
1.4	<p><u>EMERGENCY TELEPHONE NUMBER:</u> In case of poisoning, call Toxicological Information Service: (+34) 91 5620420 (24 hours).</p>

**SECTION 2 : HAZARDS IDENTIFICATION**

2.1	<p><u>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:</u>  <u>Classification in accordance with Directive 1999/45/EC~2006/8/EC (DPD):</u>                  Xi:R38-R41</p>
2.2	<p><u>LABEL ELEMENTS:</u> <span style="float: right;">Xi</span></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; background-color: white;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; background-color: orange; text-align: center; line-height: 40px; font-size: 2em; color: black;">X</div> <div style="border: 1px solid black; width: 40px; height: 40px; background-color: white;"></div> </div> <p style="text-align: right; margin-top: 10px;">This product is labelled as IRRITANT in accordance with Directive 67/548/EEC~2009/2/EC and 1999/45/EC~2006/8/EC</p> <p><u>R-phrases:</u>                  R38 Irritating to skin.                  R41 Risk of serious damage to eyes.</p> <p><u>S-phrases:</u>                  S2 Keep out of reach of children.                  S3/7 Keep container tightly closed in a cool place.                  S14 Keep away from reducing agents, oxidizing agents, acids, alkalis, heavy-metal compounds, combustible materials.                  S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.                  S36/37/39 Wear suitable protective clothing, gloves and protection for eyes, face.                  S46 If swallowed, seek medical advice immediately and show this container or label.                  S51 Use only in well-ventilated areas.</p> <p><u>Supplementary statements:</u>                  P153 Do not swallow.</p> <p><u>Dangerous ingredients:</u>                  Peróxido de hidrógeno</p>
2.3	<p><u>OTHER HAZARDS:</u>                  Not available.</p>



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**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 SUBSTANCES:  
Not applicable.

3.2 MIXTURES:  
This product is a mixture.  
Chemical description:  
Peroxide solution.  
Dangerous ingredients:  
Substances taking part in a percentage higher than the exemption limit and presenting a health and/or environment hazard, and/or with a Communitarian workplace exposure limit:

5 < 10 %	<a href="#">Alcohol C12-C18 ethoxylate(3)</a> CAS: 68213-23-0 , EC: 500-201-8 DSD: Xi:R41   N:R50 CLP: Eye Dam. 1:H318   Aquatic Acute 1:H400	Autoclassified < REACH < REACH
5 < 10 %	<a href="#">Hydrogen peroxide</a> CAS: 7722-84-1 , EC: 231-765-0 DSD: O:R8   R5   Xn:R20/22   C:R35 CLP: Ox. Liq. 1:H271   Acute Tox. (inh.) 4:H332   Acute Tox. (oral) 4:H302   Skin Corr. 1A:H314   Eye Dam. 1:H318   STOT SE (irrit.) 3:H335	Index No. 008-003-00-9 (Note B) < ATP29 < Autoclassificada
2,5 < 5 %	<a href="#">Sodium lauryl ethersulphate ethoxylate(2)</a> CAS: 68891-38-3 , EC: 500-234-8 DSD: Xi:R38-R41 CLP: Skin Irrit. 2:H315   Eye Dam. 1:H318	Autoclassified < REACH < REACH
< 0,5 %	<a href="#">Xanthan gum</a> CAS: 11138-66-2 , EC: 234-394-2	Not classified
< 0,15 %	<a href="#">2,6-di-tert-butyl-p-cresol</a> CAS: 128-37-0 , EC: 204-881-4 DSD: N:R50-53 CLP: Acute Tox. (oral) 4:H302   Skin Irrit. 2:H315   Eye Irrit. 2:H319   Aquatic Chronic 1:H410	Autoclassified < REACH < REACH

For more information on dangerous ingredients, see sections 8, 11, 12 and 16.

Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:

None

Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:

None



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**SECTION 4 : FIRST AID MEASURES**

**4.1** DESCRIPTION OF FIRST-AID MEASURES AND MAIN SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:

**4.2**



Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Wear protective gloves when administering first aid.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
<u>Inhalation:</u>	Inhalation of solvent vapours may produce headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness.	Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.
<u>Skin:</u>	In case of prolonged contact, the skin may become dry.	Remove immediately contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser.
<u>Eyes:</u>	Contact with the eyes produces redness, pain and serious burns.	Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Call a physician immediately.
<u>Ingestion:</u>	If swallowed, may cause irritation of the throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea.	If swallowed, seek medical advice immediately and show container or label. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.

**4.3** INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Damage caused by detergents and tensioactives to intestinal mucus is irreversible. Do not induce vomiting. Pump out stomach prior to the addition of dimeticone (antifrothing agent).

**SECTION 5 : FIRE-FIGHTING MEASURES**

**5.1** EXTINGUISHING MEDIA:

In the case of fire in the surroundings, all extinguishing agents are allowed.

**5.2** SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide, sulfur oxides. Exposure to combustion or decomposition products may be a hazard to health.

**5.3** ADVICE FOR FIREFIGHTERS:

- Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. The standard EN469 provides a basic level of protection for chemical incidents.
- Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

**6.1** PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid direct contact with this product. Avoid breathing vapours.

**6.2** ENVIRONMENTAL PRECAUTIONS:

Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.

**6.3** METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Contain and mop up spills with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc..). Do not use rags. The peroxide impregnated absorbent must be placed in a safe place and not put into a container.

**6.4** REFERENCE TO OTHER SECTIONS:

- For contact information in case of emergency, see section 1.
- For information on safe handling, see section 7.
- For exposure controls and personal protection measures, see section 8.
- For subsequent waste disposal, follow the recommendations in section 13.



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**SECTION 7 : HANDLING AND STORAGE**

7.1	<p><b><u>PRECAUTIONS FOR SAFE HANDLING:</u></b> Comply with the existing legislation on health and safety at work.</p> <p><b><u>General recommendations:</u></b> Avoid any type of leakage or escape. Keep the container tightly closed. Do not weight it in the storage area. Avoid friction, rough handling or strong impacts.</p> <p><b><u>Recommendations for the prevention of fire and explosion risks:</u></b> Not applicable.</p> <p><b><u>Recommendations for the prevention of toxicological risks:</u></b> Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.</p> <p><b><u>Recommendations for the prevention of environmental contamination:</u></b> It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.</p>
7.2	<p><b><u>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</u></b> Prevent unauthorized access. Keep out of reach of children. Keep in a cool place. Keep away from sources of heat. If possible, avoid direct contact with sunlight. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. Keep container tightly closed. For more information, see section 10.</p> <p><b><u>Class of store</u></b> : According to current legislation.</p> <p><b><u>Maximum storage period</u></b> : 12. months</p> <p><b><u>Temperature interval</u></b> : min: 5. °C, max: 20. °C</p> <p><b><u>Incompatible materials:</u></b> Keep away from reducing agents, oxidizing agents, acids, alkalis, heavy-metal compounds, combustible materials.</p> <p><b><u>Type of packaging:</u></b> According to current legislation.</p> <p><b><u>Limit quantity (Seveso III): Directive 96/82/EC~2003/105/EC:</u></b> Lower threshold: 100 tons , Upper threshold: 500 tons</p>
7.3	<p><b><u>SPECIFIC END USES:</u></b> For the use of this product do not exist particular recommendations apart from that already indicated.</p>



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

**8.1 CONTROL PARAMETERS:**  
If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689 standard concerning methods for assessing the exposure by inhalation to chemical agents and national guidance documents for methods for the determination of dangerous substances.

Occupational Exposure Limit Values (TLV)

	TLV-TWA		TLV-STEL		Year
	ppm	mg/m3	ppm	mg/m3	
AGCIH 2010					
Hydrogen peroxide	1.0	1.4			A3 1996
Xanthan gum		10.			Inhalable powder 1996
2,6-di-tert-butyl-p-cresol		2.0			A4 Inhalable fraction and vapour 2000

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.  
A3 - Carcinogenic in animals.  
A4 - Non classified as carcinogenic in humans.

Biological Limit Values:  
Not available

Derived no-effect level (DNEL) for workers:  
Not available

Predicted no-effect concentration (PNEC):  
Not available

**8.2 EXPOSURE CONTROLS:**

OCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC~96/58/EC:  
Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these measures are not sufficient to maintain concentrations of particulates and vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

Protection of respiratory system:  
Avoid the inhalation of vapours. Avoid the inhalation of particles or spray mist arising from the application of this preparation.

- **Mask:**  
Suitable combined filter mask for gases, vapours and particles (EN141/EN143). In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers. The respiratory equipment with filters does not work satisfactorily when the air contains high concentrations of vapour. If mask use is not sufficient, when operators, whether spraying or not, are inside the spraybooth, and ventilation is unlikely to be sufficient to constantly control particulates and solvent vapour in all cases, in such circumstances they should wear a compressed air-fed respiratory protective equipment (EN137) during the spraying process and until such a time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Protection of eyes and face:  
Install emergency eye baths close to the working area.

- **Goggles:**  
Safety goggles designed to protect against liquid splashes, with suitable lateral protection (EN166).

- **Face shield:**  
Advisable when peroxides are handled in large amounts.

Protection of hands and skin:  
Install emergency showers close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

- **Gloves:**  
Gloves resistant against chemicals (EN374). The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, we must have in mind the manual of instructions from manufacturers of gloves. The gloves should be immediately replaced when any sign of degradation is noted.

- **Boots:** No.  
- **Apron:** No.  
- **Clothing:**  
Suitable work clothes which avoid contact with the product should be worn. Put away work clothes under control and separately from the rest. Do not take contaminated clothing home. Wash contaminated work clothes before wearing them again.

ENVIRONMENTAL EXPOSURE CONTROLS:  
Avoid any spillage in the environment. Avoid any release into the atmosphere.

Spills on the soil: Prevent contamination of soil.  
Spills in water: Do not allow to escape into drains, sewers or water courses.  
Emissions to the atmosphere: Because of volatility, emissions to the atmosphere while handling and use may result. Avoid any release into the atmosphere.





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**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

Appearance

- Physical state : Viscous liquid.
- Colour : Orange.
- Odour : Characteristic
- Odour threshold : Not available

pH-value

- pH : 5.0 ± 0.5 at 20°C

Change of state

- Freezing point : Not available
- Initial boiling point : > 100. °C at 760 mmHg

Density

- Relative density : 1.050 ± 0.030 at 20/4°C Relative water

Stability

- Decomposition temperature : Not applicable

Viscosity:

- Dynamic viscosity : 400. ± 100. cps 20°C
- Kinematic viscosity : 130. mm<sup>2</sup>/s at 40°C

Volatility:

- Vapour pressure : 17. mmHg at 20°C
- Vapour pressure : 11.9 kPa at 50°C

Solubility(ies)

- Solubility in water: : Not applicable
- Solubility in oils and fats: : Not available
- Partition coefficient: n-octanol/water : Not applicable

Flammability:

- Flash point : Not flammable
- Autoignition temperature : Not applicable

Explosive properties:

Not applicable.

Oxidizing properties:

Not applicable.

9.2 OTHER INFORMATION:

- Available peroxydic oxygen : 2.35 % OO
- VOC (supply) : 0.6 % Weight
- VOC (supply) : 5.7 g/l

The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.



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**SECTION 10 : STABILITY AND REACTIVITY**

10.1	<u>REACTIVITY:</u> Not available.
10.2	<u>CHEMICAL STABILITY:</u> Stable under recommended storage and handling conditions.
10.3	<u>POSSIBILITY OF HAZARDOUS REACTIONS:</u> Possible dangerous reaction with reducing agents, oxidizing agents, acids, alkalis, metals, heavy-metal compounds, combustible materials.
10.4	<u>CONDITIONS TO AVOID:</u> - Heat: Keep away from sources of heat. - Light: If possible, avoid direct contact with sunlight. - Air: Not applicable. - Pressure: Not applicable. - Shock: Not applicable.
10.5	<u>INCOMPATIBLE MATERIALS:</u> Keep away from reducing agents, oxidizing agents, acids, alkalis, heavy-metal compounds, combustible materials.
10.6	<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u> As consequence of thermal decomposition, hazardous products may be produced: oxygen, sulfur oxides.

**SECTION 11 : TOXICOLOGICAL INFORMATION**

No experimental toxicological data on the preparation is available. The toxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

11.1	<p><u>INFORMATION ON TOXICOLOGICAL EFFECTS:</u> Some organic peroxides will cause serious, irreversible ocular injuries to the cornea, even after brief contact. <u>Routes of exposure:</u> May be absorbed by inhalation of vapour, through the skin and by ingestion. <u>Short-term exposure:</u> May irritate the eyes and skin. Risk of serious damage to eyes. Irritating to skin. <u>Long-term or repeated exposure:</u> Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. <u>Carcinogenic effects:</u> Not available. <u>Genotoxicity:</u> Not available.</p>			
	<u>DOSE AND LETHAL CONCENTRATIONS</u> for individual ingredients :	<u>DL50 (OECD 401)</u> mg/kg oral	<u>DL50 (OECD 402)</u> mg/kg cutaneous	<u>CL50 (OECD 403)</u> mg/m3.4hours inhalation
	Alcohol C12-C18 ethoxylate(3)	> 5000. Rat	> 2000. Rat	1600. Rat
	Hydrogen peroxide		4060. Rat	170. Rat
	Sodium laurylethersulphate ethoxylate(2)	> 2000. Rat	> 2000. Rat	
	2,6-di-tert-butyl-p-cresol	6000. Rat	> 2000. Rat	



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**SECTION 12 : ECOLOGICAL INFORMATION**

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

12.1	<u>TOXICITY:</u> for individual ingredients :	<u>CL50</u> (OECD 203) mg/l.96hours	<u>CE50</u> (OECD 202) mg/l.48hours	<u>CE50</u> (OECD 201) mg/l.72hours
	Alcohol C12-C18 ethoxylate(3)	1.2 Fishes	2.7 Daphnia	0.41 Algae
	Hydrogen peroxide	25. Fishes	5.0 Daphnia	1.7 Algae
	Sodium laurylethersulphate ethoxylate(2)	7.1 Fishes	7.2 Daphnia	27. Algae
	2,6-di-tert-butyl-p-cresol	0.20 Fishes	0.48 Daphnia	0.42 Algae

12.2 PERSISTENCE AND DEGRADABILITY:  
Biodegradability: The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation 648/2004/EC on detergents: Ultimate aerobic biodegradation > 60% within 28 days. 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:  
Not available.

12.4 MOBILITY IN SOIL:  
Not available.

12.5 RESULTS OF PBT AND MPMB ASSESMENT:  
Not available.

12.6 OTHER ADVERSE EFFECTS:  
Ozone depletion potential: Not available.  
Photochemical ozone creation potential: Not available.  
Earth global warming potential: Not available.  
Endocrine disrupting potential: Not available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

13.1 WASTE TREATMENT METHODS: Directive 2008/98/EC:  
Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

Disposal of empty containers: Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC:  
Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, )in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself. Never re-use a container which has contained peroxides.

Procedures for neutralising or destroying the product:  
Authorised landfill in accordance with local regulations.



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**SECTION 14 : TRANSPORT INFORMATION**

14.1	<u>UN NUMBER:</u> Not applicable
14.2	<u>UN PROPER SHIPPING NAME:</u> Not applicable
14.3 14.4	<u>TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP:</u> <u>Transport by road (ADR 2011):</u> <u>Transport by rail (RID 2011):</u> Free  <u>Transport by sea (IMDG 35-10):</u> Free  <u>Transport by air (ICAO/IATA 2011):</u> Free  <u>Transport by inland waterways (ADN):</u> Free.
14.5	<u>ENVIRONMENTAL HAZARDS:</u> Not applicable.
14.6	<u>SPECIAL PRECAUTIONS FOR USER:</u> Not applicable.
14.7	<u>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:</u> Not applicable.

**SECTION 15 : REGULATORY INFORMATION**

15.1	<u>EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:</u> It is applicable the Regulation (EC) No. 648/2004~907/2006 on detergents. Contains phosphonates < 5 %, anionic surfactants < 5 %, non-ionic surfactants 5-15 %, oxygen-based bleaching agents 5-15 %. Do not swallow.  <u>RESTRICTIONS:</u> <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> Not applicable. <u>Recommended restrictions on use:</u> Not applicable.  <u>OTHER REGULATIONS:</u> Not available
15.2	<u>CHEMICAL SAFETY ASSESSMENT:</u> Not available.



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## SECTION 16 : OTHER INFORMATION

### 16.1 TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:

R-phrases according the Directive 67/548/EEC~2001/59/EC (DSD), Annex III:

R5 Heating may cause an explosion. R8 Contact with combustible material may cause fire. R35 Causes severe burns. R37 Irritating to respiratory system. R38 Irritating to skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms. R20/22 Harmful by inhalation and if swallowed. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements according the Regulation (EC) No. 1272/2008~790/2009 (CLP), Annex III:

H271 May cause fire or explosion: strong oxidiser. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

Notes related to the identification, classification and labelling of the substances:

Note B : Some substances are placed on the market in aqueous solutions at various concentrations and these solutions require different classification als labelling since the hazards vary at different concentrations.

### MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Bureau: Existing Chemicals, <http://ecb.jrc.ec.europa.eu/esis/>
- Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970).
- Threshold Limit Values, (AGCIH, 2010).

### MATERIAL SAFETY DATA SHEET REGULATIONS:

Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No. 453/2010.

### HISTORY:

### Revision:

Version: 5                    14/03/2013  
Version: 4                    11/03/2013

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.