(in accordance with Regulation (EU) 2015/830)

# **BC 97-DISOLVENTE BC97**



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

### 1.1 Product identifier.

Product Name: DISOLVENTE BC97

Product Code: BC 97

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

Dilution and cleaning of solvent base products Custom Creative

#### Uses advised against:

Uses other than those recommended.

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

Company: CUSTOM CREATIVE

Address: C/ SEVILLA 43

City: JEREZ DE LA FRONTERA

Province: CADIZ

Telephone: (+34) 956045939 E-mail: info@customcreative.es Web: customcreative.es

1.4 Emergency telephone number: (+34) 956045939 (Only available during office hours; Monday-Friday; 08:00-18:00)

### **SECTION 2: HAZARDS IDENTIFICATION.**

## 2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008: Eye Irrit. 2 : Causes serious eye irritation.

Flam. Lig. 3: Flammable liquid and vapour.

#### 2.2 Label elements.

### Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:





# Signal Word:

# Warning

H statements:

H226 Flammable liquid and vapour. H319 Causes serious eye irritation.

## P statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use... to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to ...

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## 2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

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

### 3.1 Substances.

Not Applicable.

#### 3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

			(*)Classification - Regulation (EC) No 1272/2008	
Identifiers	Identifiers Name		Classification	specific concentration limit
Index No: 607-038- 00-2 CAS No: 112-07-2 EC No: 203-933-3 Registration No: 01- 2119475112-47-XXXX	[1] 2-butoxyethyl acetate,butylglycol acetate	1 - 50 %	Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332	-
Index No: 603-016- 00-1 CAS No: 123-42-2 EC No: 204-626-7 Registration No: 01- 2119473975-21-XXXX	[1] 4-hydroxy-4-methylpentan-2-one,diacetone alcohol	10 - 50 %	Eye Irrit. 2, H319	Eye Irrit. 2, H319: C ≥ 10 %
Index No: 607-195- 00-7 CAS No: 108-65-6 EC No: 203-603-9 Registration No: 01- 2119475791-29-XXXX	[1] 2-methoxy-1-methylethyl acetate	10 - 25 %	Flam. Liq. 3, H226	-

<sup>(\*)</sup> The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

### **SECTION 4: FIRST AID MEASURES.**

#### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### **Inhalation**

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

### Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

### Ingestion.

<sup>\*</sup> See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

<sup>[1]</sup> Substance with a Community workplace exposure limit (see section 8.1).

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If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

### **SECTION 5: FIREFIGHTING MEASURES.**

Flammable product, the necessary prevention measures should be taken in order to avoid risks, In case of fire, the following measures are recommended:

#### 5.1 Extinguishing media.

### Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

#### **Unsuitable extinguishing media:**

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

### 5.2 Special hazards arising from the mixture.

## Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases.

#### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

#### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES.**

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

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

## 6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

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

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

### 6.4 Reference to other sections.

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For exposure control and individual protection measures, see section 8. For later elimination of waste, follow the recommendations under section 13.

# **SECTION 7: HANDLING AND STORAGE.**

#### 7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use antistatic footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

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

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

## 7.3 Specific end use(s).

Not available.

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

### 8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m³
		European Union [1]	Eight hours	20 (skin)	133 (skin)
2-butoxyethyl acetate,butylglycol	112-07-2		Short term	50 (skin)	333 (skin)
acetate		United	Eight hours	20	133
		Kingdom [2]	Short term	50	332
4-hydroxy-4-methylpentan-2-	123-42-2	United	Eight hours	50	241
one,diacetone alcohol		Kingdom [2]	Short term	75	362
		European	Eight hours	50 (skin)	275 (skin)
2 methovy 1 methylethyl acetate	108-65-6	Union [1]	Short term	100 (skin)	550 (skin)
2-methoxy-1-methylethyl acetate		United	Eight hours	50	274
		Kingdom [2]	Short term	100	548

<sup>[1]</sup> According both Binding Occupational Esposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Туре	Value
2-butoxyethyl acetate,butylglycol acetate	DNEL	Inhalation, Long-term, Systemic effects	133
CAS No: 112-07-2	(Workers)		(mg/m³)
EC No: 203-933-3			

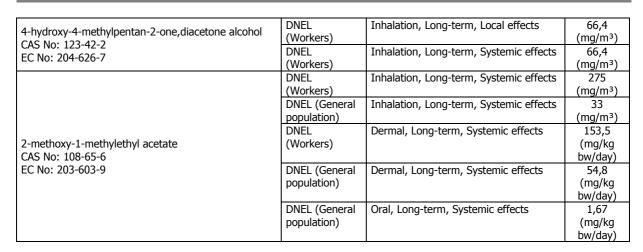
<sup>[2]</sup> According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adobted by Health and Safety Executive.

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DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
	aqua (freshwater)	0,635 (mg/L)
	aqua (marine water)	0,0635
		(mg/L)
	aqua (intermittent releases)	6,35 (mg/L)
2-methoxy-1-methylethyl acetate	PNEC STP	100 (mg/L)
CAS No: 108-65-6	sediment (freshwater)	3,29 (mg/kg
EC No: 203-603-9		sediment dw)
	sediment (marine water)	0,329 (mg/kg
		sediment dw)
	soil	0,29 (mg/kg
		soil dw)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

## 8.2 Exposure controls.

## **Measures of a technical nature:**

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %
Uses:	Dilution and cleaning of solvent base products Custom Creative
<b>Breathing prote</b>	ction:
If the recommende	ed technical measures are observed, no individual protection equipment is necessary.
Hand protection	
If the product is ha	andled correctly, no individual protection equipment is necessary.
Eye protection:	
PPE: Characteristics:	Face shield. «CE» marking, category II. Face and eye protector against splashing liquid.
CEN standards:	EN 165, EN 166, EN 167, EN 168
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. Make sure that mobile parts move smoothly.
Observations:	Face shields should offer a field of vision with a dimension in the central line of, at least, 150 mm vertically once attached to the frame.
Skin protection:	

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PPE: Anti-static protective clothing.

«CE» marking, category II. Protective clothing should not be too tight or loose in Characteristics:

order not to obstruct the user's movements.

EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5 CEN standards:

In order to guarantee uniform protection, follow the washing and maintenance instructions provided by Maintenance:

the manufacturer.

The protective clothing should offer a level of comfort in line with the level of protection provided in Observations:

terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level

of activity and the expected time of use.

PPE: Anti-static safety footwear. Characteristics: «CE» marking, category II.

CEN standards: EN ISO 13287, EN ISO 20344, EN ISO 20346

The footwear should be checked regularly Maintenance:

The level of comfort during use and acceptability are factors that are assessed very differently depending

on the user. Therefore, it is advisable to try on different footwear models and, if possible, different

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.**

### 9.1 Information on basic physical and chemical properties.

Appearance: Liquid with characteristic odour

Colour: N.A./N.A. Odour: N.A./N.A.

Observations:

Odour threshold: N.A./N.A.

pH:N.A./N.A.

Melting point: N.A./N.A. Boiling Point: 193 °C Flash point: 57 °C

Evaporation rate: N.A./N.A.

Inflammability (solid, gas): N.A./N.A. Lower Explosive Limit: N.A./N.A. Upper Explosive Limit: N.A./N.A. Vapour pressure: 0,468 Vapour density: N.A./N.A. Relative density:0,947

Solubility: N.A./N.A. Liposolubility: N.A./N.A. Hydrosolubility: N.A./N.A.

Partition coefficient (n-octanol/water): N.A./N.A.

Auto-ignition temperature: N.A./N.A. Decomposition temperature: N.A./N.A.

Viscosity: N.A./N.A.

Explosive properties: N.A./N.A. Oxidizing properties: N.A./N.A.

N.A./N.A.= Not Available/Not Applicable due to the nature of the product

# 9.2 Other information.

Pour point: N.A./N.A. Blink: N.A./N.A.

Kinematic viscosity: N.A./N.A.

N.A./N.A.= Not Available/Not Applicable due to the nature of the product

## **SECTION 10: STABILITY AND REACTIVITY.**

## 10.1 Reactivity.

If the storage conditions are satisfied, does not produce dangerous reactions.

#### 10.2 Chemical stability.

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Stable under the recommended handling and storage conditions (see section 7).

#### 10.3 Possibility of hazardous reactions.

Flammable liquid and vapour.

### 10.4 Conditions to avoid.

Avoid the following conditions:

- High temperature.
- Static discharge.
- Contact with incompatible materials.
- Avoid temperatures near or above the flash point. Do not heat closed containers. Avoid direct sunlight and heat, as these may cause a risk of fire.

# 10.5 Incompatible materials.

Avoid the following materials:

- Explosives materials.
- Toxic materials.
- Oxidizing materials.

## 10.6 Hazardous decomposition products.

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

## **SECTION 11: TOXICOLOGICAL INFORMATION.**

2-butoxyethanol and its acetate are easily absorbed by the skin and can cause noxious effects to the kidneys.

IRRITANT PREPARATION. Splatters in the eyes can cause irritation.

# 11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

### Toxicological information about the substances present in the composition.

	Acute toxicity					
Name		Туре	Test	Value		
			LD50	Rat	6190 mg/kg bw [1]	
		Oral	[1] Study Toxicity).	report, 1985.	OECD Guideline 401 (Acute Oral	
2-methoxy-1-methylet	nyi acetate		LD50	Rabbit	>5000 mg/kg bw [1]	
		Dermal	[1] Dow Chemical Company Reports. Vol. MSD-1582			
			LC0	Rat	>4345 ppm (6 h) [1]	
CAS No: 108-65-6	EC No: 203-603-9	Inhalation	[1] Study report, 1980. OECD Guideline 403 (Acute Inhalation Toxicity).			

a) acute toxicity;

Not conclusive data for classification.

Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Dermal) = 2.444 mg/kg

b) skin corrosion/irritation;

Not conclusive data for classification.

c) serious eye damage/irritation;

Product classified:

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Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation; Not conclusive data for classification.

e) germ cell mutagenicity; Not conclusive data for classification.

f) carcinogenicity; Not conclusive data for classification.

g) reproductive toxicity; Not conclusive data for classification.

h) STOT-single exposure; Not conclusive data for classification.

i) STOT-repeated exposure; Not conclusive data for classification.

j) aspiration hazard; Not conclusive data for classification.

## **SECTION 12: ECOLOGICAL INFORMATION.**

## 12.1 Toxicity.

Name	Ecotoxicity				
Name	Туре	Test	Kind	Value	
	Fish	LC50	Oryzias latipes	100 mg/L (96 h) [1]	
		[1] Environment Agency of Japan (1998)			
	Aquatic	EC50	Daphnia magna	407 mg/L (48 h) [1]	
2-methoxy-1-methylethyl acetate	invertebrates	[1] Environment Agency of Japan (1998)			
	Aquatic plants	Selenastrum capricornutum (Pseudokirchnerell a subcapitata)  Selenastrum >1000 mg/L (72 h)			
CAS No: 108-65-6 EC No: 203-603-9	No: 203-603-9 [1] Environment Agency of Japan (1998)				

## 12.2 Persistence and degradability.

There is no information available on the degradability of the substances present.

No information is available regarding the degradability of the substances present. No information is available about persistence and degradability of the product.

## 12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation				
Name	Log Pow	BCF	NOECs	Level	
4-hydroxy-4-methylpentan-2-one,diacetone alcohol	-0,34	-	-	Very low	

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N. CAS: 123-42-2	EC No: 204-626-7		
N. CAS. 125 42 2	EC NO. 204 020 7		

### 12.4 Mobility in soil.

No information is available about the mobility in soil. The product must not be allowed to go into sewers or waterways. Prevent penetration into the ground.

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

No information is available about the results of PBT and vPvB assessment of the product.

#### 12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

### **SECTION 13 DISPOSAL CONSIDERATIONS.**

#### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

### **SECTION 14: TRANSPORT INFORMATION.**

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

**<u>Land</u>**: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

<u>Sea</u>: Transport by ship: IMDG. Transport documentation: Bill of lading <u>Air</u>: Transport by plane: ICAO/IATA. Transport document: Airway bill.

## 14.1 UN number.

UN No: UN1263

## 14.2 UN proper shipping name.

Description:

ADR: UN 1263, PAINT RELATED MATERIAL, 3, PG III, (D/E) IMDG: UN 1263, PAINT RELATED MATERIAL, 3, PG III

ICAO/IATA: UN 1263, PAINT RELATED MATERIAL, 3, PG III

# 14.3 Transport hazard class(es).

Class(es): 3

### 14.4 Packing group.

Packing group: III

### 14.5 Environmental hazards.

Marine pollutant: No

## 14.6 Special precautions for user.

Labels: 3

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Hazard number: 30 ADR LQ: 5 L IMDG LQ: 5 L ICAO LQ: 10 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR. Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-E,S-E Proceed in accordance with point 6.

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

The product is not transported in bulk.

### **SECTION 15: REGULATORY INFORMATION.**

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC) VOC content (p/p): 100 % VOC content: 947,438 g/l

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Kind of pollutant for the water (Germany): WGK 1: Slightly hazardous for the water. (Autoclassified according to the AwSV Regulations)

## 15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## **SECTION 16: OTHER INFORMATION.**

Complete text of the H phrases that appear in section 3:

H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H319 Causes serious eye irritation.

H332 Harmful if inhaled.

## Classification codes:

Acute Tox. 4: Acute toxicity (Dermal), Category 4
Acute Tox. 4: Acute toxicity (Inhalation), Category 4

Eye Irrit. 2 : Eye irritation, Category 2 Flam. Liq. 3 : Flammable liquid, Category 3

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Sections changed compared with the previous version:

1,4,5,8,14,16

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AwSV: Facility Regulations for handling substances that are hazardous for the water.

BCF: Bioconcentration factor.

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be

considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not

anticipated.

EC50: Half maximal effective concentration.

PPE: Personal protection equipment.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code for Dangerous Goods.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

Log Pow: Logarithm of the partition octanol-water. NOEC: No observed effect concentration.

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are

not expected in the environmental compartment.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

WGK: Water hazard classes.

Key literature references and sources for data:

http://eur-lex.europa.eu/homepage.html

http://echa.europa.eu/

Regulation (EU) 2015/830. Regulation (EC) No 1907/2006. Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.