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

# **1.1 Product identifier:** HARDENER for C2007 UHS 1:2

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

Relevant uses: Hardener for coatings. For professional user only.

Uses advised against: All uses not specified in this section or in section 7.3

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

Troton Sp. z o.o. Zabrowo 14A 78-120 Goscino - Zachodniopomorskie - Polska Phone.: +48 94 35 123 94 -Fax: +48 94 35 126 22 troton@troton.com.pl www.troton.pl

1.4 Emergency telephone number: (czynny od 8:00-16:00)+48 094 35 123 94; 112

# SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

### CLP Regulation (EC) nº 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) nº 1272/2008.

Acute Tox. 4: Acute inhalation toxicity, Category 4, H332

Flam. Liq. 3: Flammable liquids, Category 3, H226 Skin Sens. 1: Sensitisation, skin, Category 1, H317 STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335 STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

### 2.2 Label elements:

### CLP Regulation (EC) nº 1272/2008:

Warning



### Hazard statements:

Acute Tox. 4: H332 - Harmful if inhaled Flam. Liq. 3: H226 - Flammable liquid and vapour Skin Sens. 1: H317 - May cause an allergic skin reaction STOT SE 3: H335 - May cause respiratory irritation STOT SE 3: H336 - May cause drowsiness or dizziness

### **Precautionary statements:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray

P271: Use only outdoors or in a well-ventilated area

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

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

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

P403+P233: Store in a well-ventilated place. Keep container tightly closed

P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively

### Supplementary information:

EUH066: Repeated exposure may cause skin dryness or cracking EUH204: Contains isocyanates. May produce an allergic reaction

#### Substances that contribute to the classification

Hexamethylene diisocyanate, oligomers; Butyl Acetate; Ethylene Glycol Monobutyl Ether Acetate; Hexamethylene diisocyanate

### 2.3 Other hazards:

Non-applicable

- CONTINUED ON NEXT PAGE -

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

# 3.1 Substance:

Non-applicable

# 3.2 Mixture:

#### Chemical description: Mixture composed of chemical products

### Components:

In accordance with Annex II of Regulation (EC) nº1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicable REACH:01-2119485796-17- XXXX	Hexamethylene diisocyanate, oligomers         Sel           Regulation 1272/2008         Acute Tox. 4: H332; Skin Sens. 1: H317; STOT SE 3: H335 - Warning	f-classified	50 - <75 %
CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH:01-2119485493-29- XXXX	Butyl Acetate         ATI           Regulation 1272/2008         Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning	P CLP00	25 - <50 %
CAS: 112-07-2 EC: 203-933-3 Index: 607-038-00-2 REACH:01-2119475112-47-	Ethylene Glycol Monobutyl Ether Acetate     ATI       Regulation 1272/2008     Acute Tox. 4: H312+H332 - Warning	P CLP00	5 - <10 %
CAS: 822-06-0 EC: 212-485-8 Index: 615-011-00-1 REACH:01-2119457571-37- XXXX	Hexamethylene diisocyanate         ATI           Regulation 1272/2008         Acute Tox. 3: H331; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Ski         Sens. 1: H317; STOT SE 3: H335 - Danger	n 🛞 🐼	<1 %

To obtain more information on the risk of the substances consult sections 8, 11, 12, 15 and 16.

# SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

# By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

### By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

#### By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

#### By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

# SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO2). IT IS RECOMMENDED NOT to use tap water as an extinguishing agent.

# SECTION 5: FIREFIGHTING MEASURES (continued)

#### 5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

# SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inertization agent. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

### 6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

### 6.4 Reference to other sections:

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

#### B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 94/9/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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

A.- Technical measures for storage

Minimum Temp.: 15 °C

# SECTION 7: HANDLING AND STORAGE (continued)

Maximum Temp.: 25 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

# 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment

Identification	Environmental limits		
Ethylene Glycol Monobutyl Ether Acetate	IOELV (8h)	20 ppm	133 mg/m <sup>3</sup>
CAS: 112-07-2	IOELV (STEL)	50 ppm	333 mg/m <sup>3</sup>
EC: 203-933-3	Year	2015	

# DNEL (Workers):

	Short e	xposure	Long ex	xposure	
Identification		Systemic	Local	Systemic	Local
Hexamethylene diisocyanate, oligomers	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 28182-81-2	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 931-274-8	Inhalation	Non-applicable	1 mg/m³	Non-applicable	0,5 mg/m³
Butyl Acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-86-4	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 204-658-1	Inhalation	960 mg/m³	960 mg/m <sup>3</sup>	480 mg/m³	480 mg/m³
Ethylene Glycol Monobutyl Ether Acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-07-2	Dermal	102 mg/kg	Non-applicable	102 mg/kg	Non-applicable
EC: 203-933-3	Inhalation	775 mg/m³	333 mg/m <sup>3</sup>	133 mg/m³	Non-applicable
Hexamethylene diisocyanate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 822-06-0	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 212-485-8	Inhalation	0,07 mg/m <sup>3</sup>	0,07 mg/m <sup>3</sup>	0,035 mg/m³	0,035 mg/m³

### **DNEL (General population):**

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Butyl Acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-86-4	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 204-658-1	Inhalation	859,7 mg/m <sup>3</sup>	859,7 mg/m <sup>3</sup>	102,34 mg/m <sup>3</sup>	102,34 mg/m <sup>3</sup>
Ethylene Glycol Monobutyl Ether Acetate	Oral	18 mg/kg	Non-applicable	4,3 mg/kg	Non-applicable
CAS: 112-07-2	Dermal	27 mg/kg	Non-applicable	36 mg/kg	Non-applicable
EC: 203-933-3	Inhalation	499 mg/m <sup>3</sup>	166 mg/m <sup>3</sup>	67 mg/m³	Non-applicable

PNEC:

Identification				
Hexamethylene diisocyanate, oligomers	STP	38,3 mg/L	Fresh water	0,127 mg/L
CAS: 28182-81-2	Soil	53182 mg/kg	Marine water	0,0127 mg/L
EC: 931-274-8	Intermittent	1,27 mg/L	Sediment (Fresh water)	266700 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	26670 mg/kg
Butyl Acetate	STP	35,6 mg/L	Fresh water	0,18 mg/L
CAS: 123-86-4	Soil	0,0903 mg/kg	Marine water	0,018 mg/L
EC: 204-658-1	Intermittent	0,36 mg/L	Sediment (Fresh water)	0,981 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0981 mg/kg

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Ethylene Glycol Monobutyl Ether Acetate	STP	90 mg/L	Fresh water	0,304 mg/L
CAS: 112-07-2	Soil	0,68 mg/kg	Marine water	0,0304 mg/L
EC: 203-933-3	Intermittent	0,56 mg/L	Sediment (Fresh water)	2,03 mg/kg
	Oral	60 g/kg	Sediment (Marine water)	0,203 mg/kg
Hexamethylene diisocyanate	STP	8,42 mg/L	Fresh water	0,0774 mg/L
CAS: 822-06-0	Soil	0,0026 mg/kg	Marine water	0,00774 mg/L
EC: 212-485-8	Intermittent	0,774 mg/L	Sediment (Fresh water)	0,01334 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,001344 mg/kg

### 8.2 Exposure controls:

### A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

#### B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory respiratory tract protection	Filter mask for gases and vapours		EN 405:2001+A1:2009	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

### C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	NON-disposable chemical protective gloves		EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application

### D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Face mask		EN 166:2001 EN 167:2001 EN 168:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

# E.- Bodily protection

	Disposable clothing for		
Mandatory complete body protection	protection against chemical risks, with antistatic and fireproof properties	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2001 EN ISO 6529:2001 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.
Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	EN 13287:2008 EN ISO 20345:2011 EN 13832-1:2006	Replace boots at any sign of deterioration.

# MASTER

# Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU

# HERDENER for C2007 UHS 1:2

Ansitz 75%-1         Division         Division           Engineery shower         150 38641:2002         Egewath stations         150 38641:2002           Environmental exposure controls:           In accordance with the community legislation for the protection of the environment it is recommended to avoid environmenta of both the product and its container. For additional information see subsection 7.1.D           THOM 9: PHYSICAL AND CHEMICAL PROPERTIES           For complete information see the product datasheet.           Appearance:           Physical state at 20 °C:         Liquid           Appearance:         Fluid           Colour         Colourless           Odour         Colourless           Odour         Colourless           Odour         Colourless           Odour         IOB2 Pa           Vapour pressure at 20 °C:         1082 Pa           Vapour pressure at 20 °C:         1092 Pa           Vapour pressure at 20 °C:         1092 Pa           Vapour pressure at 20 °C:         1092 Pa           Vapour pressure at 20 °C:         1094 Rgm3           Relative density at 20 °C:         1094 Rgm3           Relative density at 20 °C:         2972 C5           Kinematic viscosity at 40 °C:         Non-applicable *<		Emergency measure	Standards	Emergency measure	Standards	
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Colour:ColourlessColour threshold:CharacteristicOdour threshold:Non-applicable *Volatility:I35 °CBoling point at atmospheric pressure:135 °CVapour pressure at 20 °C:1082 PaVapour pressure at 50 °C:527 Pa (5 kPa)Evaporation rate at 20 °C:Non-applicable *Product description:1004 kg/m³Relative density at 20 °C:1004 kg/m³Relative density at 20 °C:1004 kg/m³Relative density at 20 °C:1000 cPKinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 20 °C:Non-applicable *Concentration:Non-applicable *Phi:Non-applicable *Vapour density at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Phi:Non-applicable *Solubility in water at 20 °C:Non-applicable *Perimosolitity eporeties:Non-applicable *Perimositity eporeties:Non-applicable *Perimositity eporeties:Non-applicable *Parmability (solid, gas):Non-applicable *Planmability (solid, gas):Non-applica		Physical state at 20 °C:	Liquid			
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Odour threshold:Non-applicable *Odour threshold:Non-applicable *Boiling point at atmospheric pressure:135 °CVapour pressure at 20 °C:1082 PaVapour pressure at 20 °C:1082 PaVapour pressure at 20 °C:Non-applicable *Product description:Non-applicable *Density at 20 °C:1004 kg/m³Relative density at 20 °C:1004 kg/m³Relative density at 20 °C:3000 cPKinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 20 °C:Non-applicable *Concentration:Non-applicable *Phi:Non-applicable *Vapour density at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility in properties:Non-applicable *Solubility in properties:Non-applicable *Solubility in properties:Non-applicable *Decomposition temperature:Non-applicable *Disolity reperties:Non-applicable *Explosive properties:Non-applicable *Disolity reperties:Non-applicable *Disolity reperties:Non-applicable *Disolity reperties:Non-applicable *Disolity repertie		Colour:	Colourle	SS		
Volatility:Boiling point at atmospheric pressure:135 °CVapour pressure at 20 °C:1082 PaVapour pressure at 50 °C:5327 Pa (5 kPa)Evaporation rate at 20 °C:Non-applicable *Product description:Density at 20 °C:1004 kg/m³Relative density at 20 °C:1004 kg/m³Relative density at 20 °C:3000 cPKinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 20 °C:Non-applicable *Concentration:Non-applicable *PH:Non-applicable *Vapour density at 20 °C:Non-applicable *Vapour density at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Ph:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Decomposition temperature:Non-applicable *Dexising properties:Non-applicable *Oxidising properties:Non-applicable *Dexising properties:Non-applicable *Disitient (solid, gas):Non-applicable *Flammability (solid, gas):Non-applicable *Hammability limit:300 °CLower flammability limit:Not available		Odour:	Charact	eristic		
Boiling on at atmospheric pressure:135 °CVapour pressure at 20 °C:1082 PaVapour pressure at 20 °C:S327 Pa (5 kPa)Product description:Non-applicable *Density at 20 °C:1004 kg/m³Relative density at 20 °C:3000 cPVinnematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *Popur density at 20 °C:Non-applicable *Concentration:Non-applicable *Solubility in water at 20 °C:Non-applicable *Concentration:Non-applicable *Ph:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Solubility properties:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Solubility properties:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Disk properties:Non-applicable *Disk properties:Solubilable *Disk propertie		Odour threshold:	Non-ap	plicable *		
Vapour pressure at 20 °C:1082 PaVapour pressure at 20 °C:S327 Pa (5 kPa)Evaporation rate at 20 °C:Non-applicable *Product description:1004 kg/m³Relative density at 20 °C:1004 kg/m³Relative density at 20 °C:3000 cPKinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 20 °C:Non-applicable *Concentration:Non-applicable *pH:Non-applicable *Vapour density at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Metting point/freezing point:Non-applicable *Explosive properties:Non-applicable *DecimpositintNon-applicable *Partity (solid, gas):Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available	,	Volatility:				
Vapour pressure at 50 °C:5327 Pa (5 kPa)Evaporation rate at 20 °C:Non-applicable *Product description:1004 kg/m³Relative density at 20 °C:1004 kg/m³Relative density at 20 °C:3000 cPKinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *pH:Non-applicable *Vapour density at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Valosity at 20 °C:Non-applicable *Solubility properties:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility properties:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Decomposition temperature:Non-applicable *Partiting point!Non-applicable *Partiting point!Non-applicable *Partiting point!Solubility intPartiting point!Non-applicable *Partiting point!Non-applicable *Partiting point!Solubility intPartiting p		Boiling point at atmospheric pressure:	135 °C			
Evaporation rate at 20 °C:Non-applicable *Product description:Non-applicable *Density at 20 °C:1004 kg/m³Relative density at 20 °C:3000 cPKinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *PH:Non-applicable *Vapour density at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Solubility properties:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Kining properties:Non-applicable *Solubility properties:Non-applicable *Producting point:Non-applicable *Producting point:Non-applicable *Producting point:Non-applicable *Producting point:Non-applicable *Producting point:Non-applicable *Producting point:Non-applicable *Producting properties:Non-applicable *<	,	Vapour pressure at 20 °C:	1082 Pa	a		
Product description:Density at 20 °C:1004 kg/m³Relative density at 20 °C:3000 cPKinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *PH:Non-applicable *Vapour density at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Pdition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Decomposition temperature:Non-applicable *Oxidising properties:Non-applicable *Oxidising properties:Non-applicable *Dividity in water at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Decomposition temperature:Non-applicable *Dividising properties:Non-applicable *Partiming point!Solubility in water at 20 °C:Partiming point!Non-applicable *Decomposition temperature:Non-applicable *Dividising properties:Non-applicable *Partimity (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available	,	Vapour pressure at 50 °C:	5327 Pa	a (5 kPa)		
Density at 20 °C:1004 kg/m³Relative density at 20 °C:1,004Dynamic viscosity at 20 °C:3000 cPKinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *PH:Non-applicable *Vapour density at 20 °C:Non-applicable *Pdition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Decomposition temperature:Non-applicable *Oxidising properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:Slouble *Flammability (solid, gas):Non-applicable *Autoignition temperature:32 °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Evaporation rate at 20 °C:	Non-ap	plicable *		
Relative density at 20 °C:1,004Dynamic viscosity at 20 °C:3000 cPKinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *PH:Non-applicable *Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:Sla °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Product description:				
Dynamic viscosity at 20 °C:3000 cPKinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *pH:Non-applicable *Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Cixising properties:Non-applicable *Solubility:Non-applicable *Flammability:Solubility in temperature:Flammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Density at 20 °C:	1004 kg	g/m³		
Kinematic viscosity at 20 °C:2987,2 cStKinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *pH:Non-applicable *Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:Sla °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Relative density at 20 °C:	1,004			
Kinematic viscosity at 40 °C:Non-applicable *Concentration:Non-applicable *pH:Non-applicable *Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flash Point:32 °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Dynamic viscosity at 20 °C:	3000 cF	)		
Concentration:Non-applicable *pH:Non-applicable *Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Kinematic viscosity at 20 °C:	2987,2	cSt		
pH:Non-applicable *Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:Non-applicable *Flammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Kinematic viscosity at 40 °C:	Non-ap	plicable *		
Vapour density at 20 °C:Non-applicable *Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:Non-applicable *Flammability:Solubility in vater at 20 °C:Flammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Concentration:	Non-ap	plicable *		
Partition coefficient n-octanol/water 20 °C:Non-applicable *Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:Non-applicable *Flammability:Solubility:Flammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		pH:	Non-ap	plicable *		
Solubility in water at 20 °C:Non-applicable *Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:Solubility in temperature:Flash Point:32 °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available	,	Vapour density at 20 °C:	Non-ap	plicable *		
Solubility properties:Non-applicable *Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:S2 °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Partition coefficient n-octanol/water 20 c	PC: Non-ap	plicable *		
Decomposition temperature:Non-applicable *Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:S2 °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available	:	Solubility in water at 20 °C:	Non-ap	plicable *		
Melting point/freezing point:Non-applicable *Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:S2 °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available	:	Solubility properties:	Non-ap	plicable *		
Explosive properties:Non-applicable *Oxidising properties:Non-applicable *Flammability:S2 °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Decomposition temperature:	Non-ap	plicable *		
Oxidising properties:Non-applicable *Flammability:32 °CFlash Point:32 °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Melting point/freezing point:	Non-ap	plicable *		
Flammability:Flash Point:32 °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Explosive properties:	Non-ap	plicable *		
Flash Point:32 °CFlammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Oxidising properties:	Non-ap	plicable *		
Flammability (solid, gas):Non-applicable *Autoignition temperature:300 °CLower flammability limit:Not available		Flammability:				
Autoignition temperature:300 °CLower flammability limit:Not available		Flash Point:	32 °C			
Lower flammability limit: Not available		Flammability (solid, gas):	Non-ap	plicable *		
		Autoignition temperature:	300 °C			
		Lower flammability limit:	Not ava	ilable		
		Other information:				

#### Other information:

\*Not relevant due to the nature of the product, not providing information property of its hazards.

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Surface tension at 20 °C:

Non-applicable \*

Refraction index:

Non-applicable \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

# SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

### 10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

# 10.5 Incompatible materials:

Acids	Water	Combustive materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

# SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

#### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

- A.- Ingestion (acute effect):
  - Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
  - Corrosivity/Irritability: Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.
- B- Inhalation (acute effect):
  - Acute toxicity : Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
  - Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
- C- Contact with the skin and the eyes (acute effect):
  - Contact with the skin: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for skin contact. For more information see section 3.
  - Contact with the eyes: Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
  - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
  - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

# SECTION 11: TOXICOLOGICAL INFORMATION (continued)

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single exposure:

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

- G- Specific target organ toxicity (STOT)-repeated exposure:
  - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it
  - does not contain substances classified as dangerous for this effect. For more information see section 3.
  - Skin: Repeated exposure may cause skin dryness or cracking
- H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

### Other information:

Non-applicable

### Specific toxicology information on the substances:

Identification	ļ.	cute toxicity	Genus
Hexamethylene diisocyanate, oligomers	LD50 oral	5100 mg/kg	Rat
CAS: 28182-81-2	LD50 dermal	>2000 mg/kg	
EC: 931-274-8	LC50 inhalation	11 mg/L (4 h) (ATEi)	
Butyl Acetate	LD50 oral	12789 mg/kg	Rat
CAS: 123-86-4	LD50 dermal	14112 mg/kg	Rabbit
EC: 204-658-1	LC50 inhalation	23,4 mg/L (4 h)	Rat
Ethylene Glycol Monobutyl Ether Acetate	LD50 oral	2100 mg/kg	Rat
CAS: 112-07-2	LD50 dermal	1480 mg/kg	Rabbit
EC: 203-933-3	LC50 inhalation	11 mg/L (4 h)	Rat
Hexamethylene diisocyanate	LD50 oral	>2000 mg/kg	
CAS: 822-06-0	LD50 dermal	>2000 mg/kg	
EC: 212-485-8	LC50 inhalation	3 mg/L (4 h) (ATEi)	Rat

# SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Identification		Acute toxicity	Species	Genus
Hexamethylene diisocyanate, oligomers	LC50	Non-applicable		
CAS: 28182-81-2	EC50	Non-applicable		
EC: 931-274-8	EC50	1000 mg/L (72 h)	Scenedesmus subspicatus	Algae
Butyl Acetate	LC50	62 mg/L (96 h)	Leuciscus idus	Fish
CAS: 123-86-4	EC50	73 mg/L (24 h)	Daphnia magna	Crustacean
EC: 204-658-1	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
Ethylene Glycol Monobutyl Ether Acetate	LC50	80 mg/L (48 h)	Leuciscus idus	Fish
CAS: 112-07-2	EC50	37 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-933-3	EC50	500 mg/L (72 h)	Scenedesmus subspicatus	Algae

### 12.2 Persistence and degradability:

Identification	De	egradability	Biod	Biodegradability	
Butyl Acetate	BOD5	Non-applicable	Concentration	Non-applicable	
CAS: 123-86-4	COD	Non-applicable	Period	5 days	
EC: 204-658-1	BOD5/COD	0.79	% Biodegradable	84 %	
Ethylene Glycol Monobutyl Ether Acetate	BOD5	Non-applicable	Concentration	30 mg/L	
CAS: 112-07-2	COD	Non-applicable	Period	28 days	
EC: 203-933-3	BOD5/COD	0.51	% Biodegradable	77,3 %	

### Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU

# HERDENER for C2007 UHS 1:2

#### SECTION 12: ECOLOGICAL INFORMATION (continued) Identification Degradability Biodegradability Hexamethylene diisocyanate Non-applicable Concentration 30D5 100 mg/L CAS: 822-06-0 COD Non-applicable 28 days Period EC: 212-485-8 BOD5/COD Non-applicable % Biodegradable 28 % 12.3 Bioaccumulative potential: Identification Bioaccumulation potential Butyl Acetate BCF CAS: 123-86-4 Pow Log 1.78 EC: 204-658-1 Potential Low Ethylene Glycol Monobutyl Ether Acetate BCF CAS: 112-07-2 Pow Log 1.51 EC: 203-933-3 Potential ow 12.4 Mobility in soil:

Identification	Absorp	tion/desorption	Volatility	
Butyl Acetate	Кос	Non-applicable	Henry	Non-applicable
CAS: 123-86-4	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-658-1	Surface tension	2,478E-2 N/m (25 °C)	Moist soil	Non-applicable
Ethylene Glycol Monobutyl Ether Acetate	Кос	Non-applicable	Henry	5,532E-1 Pa·m³/mol
CAS: 112-07-2	Conclusion	Non-applicable	Dry soil	No
EC: 203-933-3	Surface tension	Non-applicable	Moist soil	Yes

# 12.5 Results of PBT and vPvB assessment:

Non-applicable

### 12.6 Other adverse effects:

Not described

# SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1 Waste treatment methods:**

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances	Dangerous

# Type of waste (Regulation (EU) No 1357/2014):

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP13 Sensitising

### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

### **Regulations related to waste management:**

In accordance with Annex II of Regulation (EC)  $n^{0}1907/2006$  (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

# SECTION 14: TRANSPORT INFORMATION

### Transport of dangerous goods by land:

With regard to ADR 2015 and RID 2015:

SECTION 14: TRANSPORT INFORMATION (continued)				
	14.1	UN number:	UN1263	
			PAINT RELATED MATERIAL	
344			3	
		Labels:	3	
	14.4	Packing group:	III	
3	14.5	Dangerous for the	No	
		environment:		
	14.6	Special precautions for user		
			163, 367, 640E, 650	
			D/E	
		Physico-Chemical properties:	see section 9	
		Limited quantities:	5L	
	14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable	
Transport of da	ngero	us goods by sea:		
With regard to IM	1DG 38	-16:		
	14.1	UN number:	UN1263	
	14.2	UN proper shipping name:	PAINT RELATED MATERIAL	
	14.3	Transport hazard class(es):	3	
		Labels:	3	
	14.4	Packing group:	III	
3	14.5	Dangerous for the environment:	No	
	14.6	Special precautions for user		
			163, 223, 955	
			F-E, S-E	
		Physico-Chemical properties:	see section 9	
		Limited quantities:	5 L	
	14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable	
Transport of da	ngero	us goods by air:		
With regard to IA	TA/ICA	O 2017:		
	14.1	UN number:	UN1263	
344	14.2	UN proper shipping name:	PAINT RELATED MATERIAL	
	14.3	Transport hazard class(es):	3	
		Labels:	3	
3			III	
	14.5	Dangerous for the environment:	No	
	14.6	Special precautions for user		
		Physico-Chemical properties:	see section 9	
	14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Non-applicable	
<u> </u>				

# SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable Article 95, REGULATION (EU) No 528/2012: Non-applicable

### SECTION 15: REGULATORY INFORMATION (continued)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- "whoopee" cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:

'For professional users only'.

Shall not be used in:

---ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,

-tricks and jokes,

-games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

#### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

#### Other legislation:

The product could be affected by sectorial legislation

### 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

# SECTION 16: OTHER INFORMATION

#### Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EC) N° 2015/830)

#### Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

#### Texts of the legislative phrases mentioned in section 2:

- H317: May cause an allergic skin reaction
- H335: May cause respiratory irritation
- H336: May cause drowsiness or dizziness
- H332: Harmful if inhaled
- H226: Flammable liquid and vapour

#### Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

#### CLP Regulation (EC) nº 1272/2008:

Acute Tox. 3: H331 - Toxic if inhaled Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled Acute Tox. 4: H332 - Harmful if inhaled Eye Irrit. 2: H319 - Causes serious eye irritation Flam. Liq. 3: H226 - Flammable liquid and vapour Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1: H317 - May cause an allergic skin reaction STOT SE 3: H335 - May cause respiratory irritation STOT SE 3: H336 - May cause drowsiness or dizziness

- CONTINUED ON NEXT PAGE -

# SECTION 16: OTHER INFORMATION (continued)

### **Classification procedure:**

Skin Sens. 1: Calculation method STOT SE 3: Calculation method STOT SE 3: Calculation method Acute Tox. 4: Calculation method Flam. Liq. 3: Calculation method (2.6.4.3)

### Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

### **Principal bibliographical sources:**

http://esis.jrc.ec.europa.eu http://echa.europa.eu http://eur-lex.europa.eu

#### Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50 LOg-POW: Octanol–water partition coefficient Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.