URKI-PUR
Solvent based Mixing System Products
Colour (Group 0)

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

1.1 Product identifier: URKI-PUR
Solvent based Mixing System Products
Colour (Group 0)

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

Relevant uses: Liquid paint. For industrial 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:

BERNARDO ECENARRO, S.A.
Ugarte Industrialdea, 147
20720 Azkoitia - Gipuzkoa - Spain
Phone.: +34 943 74 28 00 -
Fax: +34 943 74 06 03
msds@besa.es
http://www.besa.es

1.4 Emergency telephone number: +34 943742800 (8:00-13:00) (14:30-17:30)

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.

Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) nº 1272/2008:

Warning

Hazard statements:

Flam. Liq. 3: H226 - Flammable liquid and vapour
Skin Irrit. 2: H315 - Causes skin irritation

Precautionary 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
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/shower
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

Supplementary information:

EUH208: Contains Butanone oxime, Phthalic anhydride . May produce an allergic reaction

2.3 Other hazards:

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture composed of additives, aggregates, pigments, plasticizers and resins in solvents

Components:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

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

Identification	Chemical name/Classification		Concentration
CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119488216-32-XXXX	**Xylene (mixture of isomers)**	ATP CLP00	**10 - <25 %**
	Regulation 1272/2008	Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning	
CAS: 100-41-4 EC: 202-849-4 Index: 601-023-00-4 REACH: 01-2119489370-35-XXXX	**Ethylbenzene**	ATP ATP06	**5 - <10 %**
	Regulation 1272/2008	Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger	
CAS: Non-applicable EC: 918-668-5 Index: Non-applicable REACH: 01-2119455851-35-XXXX	**Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w)**	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336 - Danger	
CAS: 123-42-2 EC: 204-626-7 Index: 603-016-00-1 REACH: 01-2119473975-21-XXXX	**4-hydroxy-4-methylpentan-2-one**	ATP CLP00	**1 - <2,5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 108-10-1 EC: 203-550-1 Index: 606-004-00-4 REACH: 01-2119473980-30-XXXX	**4-methylpentan-2-one**	ATP CLP00	**1 - <2,5 %**
	Regulation 1272/2008	Acute Tox. 4: H332; Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H335 - Danger	
CAS: 111-76-2 EC: 203-905-0 Index: 603-014-00-0 REACH: 01-2119475108-36-XXXX	**2-butoxyethanol**	ATP CLP00	**0,5 - <1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 85-44-9 EC: 201-607-5 Index: 607-009-00-4 REACH: 01-2119457017-41-XXXX	**Phthalic anhydride**	ATP CLP00	**<0,2 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Danger	
CAS: 96-29-7 EC: 202-496-6 Index: 616-014-00-0 REACH: 01-2119539477-28-XXXX	**Butanone oxime**	ATP CLP00	**<0,2 %**
	Regulation 1272/2008	Acute Tox. 4: H312; Carc. 2: H351; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH: 01-2119485493-29-XXXX	**Butyl Acetate**	ATP CLP00	**<0,2 %**
	Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	

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

Other information:

Identification	Specific concentration limit
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2 EC: 204-626-7	% (w/w) >=10: Eye Irrit. 2 - H319

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:

This product is not classified as hazardous through inhalation,however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. 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.

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SECTION 4: FIRST AID MEASURES (continued)

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.

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

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SECTION 7: HANDLING AND STORAGE (continued)

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.: 5 ºC

Maximum Temp.: 30 ºC

Maximum time: 24 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		
Xylene (mixture of isomers)	IOELV (8h)	50 ppm	221 mg/m³
CAS: 1330-20-7	IOELV (STEL)	100 ppm	442 mg/m³
EC: 215-535-7	Year	2015	
Ethylbenzene	IOELV (8h)	100 ppm	442 mg/m³
CAS: 100-41-4	IOELV (STEL)	200 ppm	884 mg/m³
EC: 202-849-4	Year	2015	
2-butoxyethanol	IOELV (8h)	20 ppm	98 mg/m³
CAS: 111-76-2	IOELV (STEL)	50 ppm	246 mg/m³
EC: 203-905-0	Year	2015	
4-methylpentan-2-one	IOELV (8h)	20 ppm	83 mg/m³
CAS: 108-10-1	IOELV (STEL)	50 ppm	208 mg/m³
EC: 203-550-1	Year	2015	

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Xylene (mixture of isomers)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	289 mg/m³	289 mg/m³	77 mg/m³	Non-applicable
Ethylbenzene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 100-41-4	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable
EC: 202-849-4	Inhalation	Non-applicable	293 mg/m³	77 mg/m³	Non-applicable
Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: Non-applicable	Dermal	Non-applicable	Non-applicable	25 mg/kg	Non-applicable
EC: 918-668-5	Inhalation	Non-applicable	Non-applicable	150 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
4-hydroxy-4-methylpentan-2-one	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-42-2	Dermal	Non-applicable	Non-applicable	9.4 mg/kg	Non-applicable
EC: 204-626-7	Inhalation	Non-applicable	240 mg/m³	66.4 mg/m³	66.4 mg/m³
4-methylpentan-2-one	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-10-1	Dermal	Non-applicable	Non-applicable	11.8 mg/kg	Non-applicable
EC: 203-550-1	Inhalation	208 mg/m³	208 mg/m³	83 mg/m³	83 mg/m³
2-butoxyethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 111-76-2	Dermal	89 mg/kg	Non-applicable	75 mg/kg	Non-applicable
EC: 203-905-0	Inhalation	663 mg/m³	246 mg/m³	98 mg/m³	Non-applicable
Phthalic anhydride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 85-44-9	Dermal	Non-applicable	Non-applicable	10 mg/kg	Non-applicable
EC: 201-607-5	Inhalation	Non-applicable	Non-applicable	32.2 mg/m³	Non-applicable
Butanone oxime	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 96-29-7	Dermal	2.5 mg/kg	Non-applicable	1.3 mg/kg	Non-applicable
EC: 202-496-6	Inhalation	Non-applicable	Non-applicable	9 mg/m³	3.33 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/m³	480 mg/m³	480 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Xylene (mixture of isomers)	Oral	Non-applicable	Non-applicable	1.6 mg/kg	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	108 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	Non-applicable	Non-applicable	14.8 mg/m³	Non-applicable
Ethylbenzene	Oral	Non-applicable	Non-applicable	1.6 mg/kg	Non-applicable
CAS: 100-41-4	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 202-849-4	Inhalation	Non-applicable	Non-applicable	15 mg/m³	Non-applicable
Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w)	Oral	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
CAS: Non-applicable	Dermal	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
EC: 918-668-5	Inhalation	Non-applicable	Non-applicable	32 mg/m³	Non-applicable
4-hydroxy-4-methylpentan-2-one	Oral	Non-applicable	Non-applicable	3.4 mg/kg	Non-applicable
CAS: 123-42-2	Dermal	Non-applicable	Non-applicable	3.4 mg/kg	Non-applicable
EC: 204-626-7	Inhalation	Non-applicable	120 mg/m³	11.8 mg/m³	11.8 mg/m³
4-methylpentan-2-one	Oral	Non-applicable	Non-applicable	4.2 mg/kg	Non-applicable
CAS: 108-10-1	Dermal	Non-applicable	Non-applicable	4.2 mg/kg	Non-applicable
EC: 203-550-1	Inhalation	Non-applicable	Non-applicable	14.7 mg/m³	Non-applicable
2-butoxyethanol	Oral	13.4 mg/kg	Non-applicable	3.2 mg/kg	Non-applicable
CAS: 111-76-2	Dermal	44.5 mg/kg	Non-applicable	38 mg/kg	Non-applicable
EC: 203-905-0	Inhalation	426 mg/m³	123 mg/m³	49 mg/m³	Non-applicable
Phthalic anhydride	Oral	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
CAS: 85-44-9	Dermal	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
EC: 201-607-5	Inhalation	Non-applicable	Non-applicable	8.6 mg/m³	Non-applicable
Butanone oxime	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 96-29-7	Dermal	1.5 mg/kg	Non-applicable	0.78 mg/kg	Non-applicable
EC: 202-496-6	Inhalation	Non-applicable	Non-applicable	2.7 mg/m³	2 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	859.7 mg/m³	859.7 mg/m³	102.34 mg/m³	102.34 mg/m³

PNEC:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Xylene (mixture of isomers)	STP	6.58 mg/L	Fresh water	0.327 mg/L
CAS: 1330-20-7	Soil	2.31 mg/kg	Marine water	0.327 mg/L
EC: 215-535-7	Intermittent	0.327 mg/L	Sediment (Fresh water)	12.46 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	12.46 mg/kg
Ethylbenzene	STP	9.6 mg/L	Fresh water	0.1 mg/L
CAS: 100-41-4	Soil	2.68 mg/kg	Marine water	0.01 mg/L
EC: 202-849-4	Intermittent	0.1 mg/L	Sediment (Fresh water)	13.7 mg/kg
	Oral	20 g/kg	Sediment (Marine water)	1.37 mg/kg
4-hydroxy-4-methylpentan-2-one	STP	82 mg/L	Fresh water	2 mg/L
CAS: 123-42-2	Soil	0.63 mg/kg	Marine water	0.2 mg/L
EC: 204-626-7	Intermittent	1 mg/L	Sediment (Fresh water)	9.06 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.91 mg/kg
4-methylpentan-2-one	STP	27.5 mg/L	Fresh water	0.6 mg/L
CAS: 108-10-1	Soil	1.3 mg/kg	Marine water	0.06 mg/L
EC: 203-550-1	Intermittent	1.5 mg/L	Sediment (Fresh water)	8.27 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.83 mg/kg
2-butoxyethanol	STP	463 mg/L	Fresh water	8.8 mg/L
CAS: 111-76-2	Soil	3.13 mg/kg	Marine water	0.88 mg/L
EC: 203-905-0	Intermittent	9.1 mg/L	Sediment (Fresh water)	34.6 mg/kg
	Oral	20 g/kg	Sediment (Marine water)	Non-applicable
Phthalic anhydride	STP	10 mg/L	Fresh water	1 mg/L
CAS: 85-44-9	Soil	0.173 mg/kg	Marine water	0.1 mg/L
EC: 201-607-5	Intermittent	5.6 mg/L	Sediment (Fresh water)	3.8 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.38 mg/kg
Butanone oxime	STP	177 mg/L	Fresh water	0.256 mg/L
CAS: 96-29-7	Soil	Non-applicable	Marine water	Non-applicable
EC: 202-496-6	Intermittent	0.118 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
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

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
 Compulsory use of face mask	Filter mask for particles	CE CAT III	EN 149:2001+A1:2009	Replace when an increase in resistence to breathing is observed.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Protective gloves against minor risks	CE CAT I		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420 and EN 374.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against liquid splash	CE CAT II	EN 166:2001 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

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing	CE CAT III	EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2001 EN ISO 14116:2008/AC:2009 EN 1149-5:2008	Limited protection against flames.
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties	CE CAT III	EN 13287:2008 EN ISO 20345:2011	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is not necessary to take additional emergency measures.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2002	 Eyewash stations	DIN 12 899 ISO 3864-1:2002

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 42 % weight

V.O.C. density at 20 ºC: 483 kg/m³ (483 g/L)

Average carbon number: 7.78

Average molecular weight: 107.57 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Viscous
Color:	Tintometric system
Odor:	Aromatic

Volatility:

Boiling point at atmospheric pressure:	140 ºC
Vapour pressure at 20 ºC:	771 Pa
Vapour pressure at 50 ºC:	4094 Pa (4 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

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

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Product description:

Density at 20 ºC:	1000 - 1300 kg/m³
Relative density at 20 ºC:	1 - 1.3
Dynamic viscosity at 20 ºC:	1344.11 - 1237.73 cP
Kinematic viscosity at 20 ºC:	1122 cSt
Kinematic viscosity at 40 ºC:	>20.5 cSt
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Immiscible
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *

Flammability:

Flash Point:	25 - 27 ºC
Autoignition temperature:	238 ºC
Lower flammability limit:	Not available
Upper flammability limit:	Not available

9.2 Other information:

Surface tension at 20 ºC:	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.

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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

Contains glycols. With possibility of effects that are hazardous to the health, it is recommended not to breathe the vapours for long periods of time.

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, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- 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, however, it contains substances classified as dangerous with carcinogenic effects. 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.

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: 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.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

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, however, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, however, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

H- Aspiration hazard:

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.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Xylene (mixture of isomers)	LD50 oral	2100 mg/kg	Rat
CAS: 1330-20-7	LD50 dermal	1100 mg/kg (ATEi)	Rat
EC: 215-535-7	LC50 inhalation	11 mg/L (4 h) (ATEi)	
Ethylbenzene	LD50 oral	3500 mg/kg	Rat
CAS: 100-41-4	LD50 dermal	15354 mg/kg	Rabbit
EC: 202-849-4	LC50 inhalation	17.2 mg/L (4 h)	Rat

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w)	LD50 oral	3492 mg/kg	Rat
CAS: Non-applicable	LD50 dermal	3160 mg/kg	Rabbit
EC: 918-668-5	LC50 inhalation	6193 mg/L (4 h)	Rat
4-hydroxy-4-methylpentan-2-one	LD50 oral	4000 mg/kg	Rat
CAS: 123-42-2	LD50 dermal	13630 mg/kg	Rabbit
EC: 204-626-7	LC50 inhalation	>20 mg/L (4 h)	
4-methylpentan-2-one	LD50 oral	2080 mg/kg	
CAS: 108-10-1	LD50 dermal	>2000 mg/kg	
EC: 203-550-1	LC50 inhalation	11 mg/L (4 h) (ATEi)	
2-butoxyethanol	LD50 oral	500 mg/kg	Rat
CAS: 111-76-2	LD50 dermal	1100 mg/kg	Rat
EC: 203-905-0	LC50 inhalation	11 mg/L (4 h)	Rat
Phthalic anhydride	LD50 oral	1530 mg/kg	Rat
CAS: 85-44-9	LD50 dermal	>2000 mg/kg	
EC: 201-607-5	LC50 inhalation	>5 mg/L	
Butanone oxime	LD50 oral	2100 mg/kg	Rat
CAS: 96-29-7	LD50 dermal	1100 mg/kg	Rat
EC: 202-496-6	LC50 inhalation	>20 mg/L	
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

Acute Toxicity Estimate (ATE mix):

	ATE mix	Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	5073.19 mg/kg (Calculation method)	0 %
Inhalation	42.09 mg/L (4 h) (Calculation method)	0 %

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
Xylene (mixture of isomers)	LC50	13.5 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 1330-20-7	EC50	0.6 mg/L (96 h)	Gammarus lacustris	Crustacean
EC: 215-535-7	EC50	10 mg/L (72 h)	Skeletonema costatum	Algae
Ethylbenzene	LC50	42.3 mg/L (96 h)	Pimephales promelas	Fish
CAS: 100-41-4	EC50	75 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-849-4	EC50	63 mg/L (3 h)	Chlorella vulgaris	Algae
Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w)	LC50	1 - 10 mg/L (96 h)		Fish
CAS: Non-applicable	EC50	1 - 10 mg/L		Crustacean
EC: 918-668-5	EC50	1 - 10 mg/L		Algae
4-hydroxy-4-methylpentan-2-one	LC50	420 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 123-42-2	EC50	9016 mg/L (24 h)	Daphnia magna	Crustacean
EC: 204-626-7	EC50	530 mg/L (192 h)	Microcystis aeruginosa	Algae
4-methylpentan-2-one	LC50	900 mg/L (48 h)	Leuciscus idus	Fish
CAS: 108-10-1	EC50	862 mg/L (24 h)	Daphnia magna	Crustacean
EC: 203-550-1	EC50	980 mg/L (48 h)	Scenedesmus subspicatus	Algae
2-butoxyethanol	LC50	1490 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 111-76-2	EC50	1815 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-905-0	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification		Acute toxicity	Species	Genus
Phthalic anhydride	LC50	Non-applicable		
CAS: 85-44-9	EC50	Non-applicable		
EC: 201-607-5	EC50	60 mg/L (96 h)	Pseudokirchneriella subcapitata	Algae
Butanone oxime	LC50	843 mg/L (96 h)	Pimephales promelas	Fish
CAS: 96-29-7	EC50	750 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-496-6	EC50	83 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

12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
Ethylbenzene	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 100-41-4	COD	Non-applicable	Period	14 days
EC: 202-849-4	BOD5/COD	Non-applicable	% Biodegradable	90 %
4-hydroxy-4-methylpentan-2-one	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 123-42-2	COD	Non-applicable	Period	14 days
EC: 204-626-7	BOD5/COD	Non-applicable	% Biodegradable	90 %
4-methylpentan-2-one	BOD5	2.06 g O2/g	Concentration	100 mg/L
CAS: 108-10-1	COD	2.16 g O2/g	Period	14 days
EC: 203-550-1	BOD5/COD	0.95	% Biodegradable	84 %
2-butoxyethanol	BOD5	0.71 g O2/g	Concentration	100 mg/L
CAS: 111-76-2	COD	2.2 g O2/g	Period	14 days
EC: 203-905-0	BOD5/COD	0.32	% Biodegradable	96 %
Phthalic anhydride	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 85-44-9	COD	Non-applicable	Period	14 days
EC: 201-607-5	BOD5/COD	Non-applicable	% Biodegradable	85.2 %
Butanone oxime	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 96-29-7	COD	Non-applicable	Period	28 days
EC: 202-496-6	BOD5/COD	Non-applicable	% Biodegradable	24 %
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 %

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
Xylene (mixture of isomers)	BCF	9
CAS: 1330-20-7	Pow Log	2.77
EC: 215-535-7	Potential	Low
Ethylbenzene	BCF	1
CAS: 100-41-4	Pow Log	3.15
EC: 202-849-4	Potential	Low
4-hydroxy-4-methylpentan-2-one	BCF	0.5
CAS: 123-42-2	Pow Log	-0.34
EC: 204-626-7	Potential	Low
4-methylpentan-2-one	BCF	2
CAS: 108-10-1	Pow Log	1.31
EC: 203-550-1	Potential	Low
2-butoxyethanol	BCF	3
CAS: 111-76-2	Pow Log	0.83
EC: 203-905-0	Potential	Low
Butanone oxime	BCF	5
CAS: 96-29-7	Pow Log	0.59
EC: 202-496-6	Potential	Low

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Butyl Acetate	BCF	4
CAS: 123-86-4	Pow Log	1.78
EC: 204-658-1	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Xylene (mixture of isomers)	Koc	202	Henry	5.249E+2 Pa·m³/mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes
Ethylbenzene	Koc	520	Henry	7.984E+2 Pa·m³/mol
CAS: 100-41-4	Conclusion	Moderate	Dry soil	Yes
EC: 202-849-4	Surface tension	2.859E-2 N/m (25 ºC)	Moist soil	Yes
4-hydroxy-4-methylpentan-2-one	Koc	Non-applicable	Henry	Non-applicable
CAS: 123-42-2	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-626-7	Surface tension	2.963E-2 N/m (25 ºC)	Moist soil	Non-applicable
4-methylpentan-2-one	Koc	Non-applicable	Henry	Non-applicable
CAS: 108-10-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 203-550-1	Surface tension	2.35E-2 N/m (25 ºC)	Moist soil	Non-applicable
2-butoxyethanol	Koc	8	Henry	1.621E-1 Pa·m³/mol
CAS: 111-76-2	Conclusion	Very High	Dry soil	No
EC: 203-905-0	Surface tension	2.729E-2 N/m (25 ºC)	Moist soil	Yes
Phthalic anhydride	Koc	36	Henry	Non-applicable
CAS: 85-44-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 201-607-5	Surface tension	1.531E-2 N/m (324.43 ºC)	Moist soil	Non-applicable
Butanone oxime	Koc	3	Henry	Non-applicable
CAS: 96-29-7	Conclusion	Very High	Dry soil	Non-applicable
EC: 202-496-6	Surface tension	2.57E-2 N/m (25 ºC)	Moist soil	Non-applicable
Butyl Acetate	Koc	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 ºC)	Moist soil	Non-applicable

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, HP4 Irritant — skin irritation and eye damage, HP6 Acute Toxicity

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) nº1907/2006 (REACH) the community or state provisions related to waste management are stated

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

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:

14.1	**UN number:**	UN1263
14.2	**UN proper shipping name:**	PAINT
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	III
14.5	**Dangerous for the environment:**	No
14.6	**Special precautions for user**	
	Special regulations:	163, 367, 640E, 650
	Tunnel restriction code:	D/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 dangerous goods by sea:

With regard to IMDG 37-14:

14.1	**UN number:**	UN1263
14.2	**UN proper shipping name:**	PAINT
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	III
14.5	**Dangerous for the environment:**	No
14.6	**Special precautions for user**	
	Special regulations:	163, 223, 955
	EmS Codes:	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 dangerous goods by air:

With regard to IATA/ICAO 2015:

14.1	**UN number:**	UN1263
14.2	**UN proper shipping name:**	PAINT
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	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

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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

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.

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) Nº 1907/2006 (Regulation (EU) Nº 453/2010, Regulation (EC) Nº 2015/830)

Modifications related to the previous security card which concerns the ways of managing risks. :

COMPOSITION/INFORMATION ON INGREDIENTS:
· Added Content
Phthalic anhydride (85-44-9)
· Removed Content
Methanol (67-56-1)

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation
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:

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SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302 - Harmful if swallowed
Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
Acute Tox. 4: H312 - Harmful in contact with skin
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled
Acute Tox. 4: H332 - Harmful if inhaled
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways
Carc. 2: H351 - Suspected of causing cancer
Eye Dam. 1: H318 - Causes serious eye damage
Eye Irrit. 2: H319 - Causes serious eye irritation
Flam. Liq. 2: H225 - Highly flammable liquid and vapour
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 RE 2: H373 - May cause damage to organs through prolonged or repeated exposure
STOT SE 3: H335 - May cause respiratory irritation
STOT SE 3: H336 - May cause drowsiness or dizziness

Classification procedure:

Skin Irrit. 2: 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
CL50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol–water partition coefficient
Koc: Partition coefficient of organic carbon

- END OF SAFETY DATA SHEET -