



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING 1.1 Product identifier: ISOPHALT RENOVATOR - Protective coating for Bituminous surfaces 24-169 1.2 Relevant identified uses of the substance or mixture and uses advised against: Relevant uses: Protective coating Uses advised against: All uses not specified in this section or in section 7.3 EVOCHEM S.A. 1.3 Details of the supplier of the safety data sheet: Tzaverdella Place 133 41 PHILI, ATTICA - GREECE Phone.: 0030 210 5590460 , 0030 210 5590155 Fax: 0030 210 6254737 , 0030 210 5590244 Email: info@evochem.gr; vmergoupis@evochem.gr; sales@evochem.gr www.evochem.gr 1.4 Emergency telephone number: National Poisoning Center 2107793777 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 Irrit. 2: Skin irritation, Category 2, H315 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 Irrit. 2: H315 - Causes skin irritation **Precautionary statements:** P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing P370+P378: In case of fire: Use ABC powder extinguisher to extinguish. P501: Dispose of contents/container according to the separated collection system used in your municipality Supplementary information: EUH208: Contains Butanone oxime, Cobalt bis(2-ethylhexanoate). May produce an allergic reaction Substances that contribute to the classification

Xylene

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:





SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Chemical description: Mixture composed of additives, colourants and resins in solvents

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (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-XXX	Xylene(1) ATP CLP00 Regulation 1272/2008 Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning	9,9 - <19 %
CAS: 96-29-7 EC: 202-496-6 Index: 616-014-00-0 REACH 01-2119539477-28-XXX	Butanone oxime(1) ATP CLP00 Regulation 1272/2008 Acute Tox. 4: H312; Carc. 2: H351; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger Image:	0,24 - <0,9 %
CAS: 111-76-2 EC: 203-905-0 Index: 603-014-00-0 REACH 01-2119475108-36-XXX	2-butoxyethanol(2) ATP CLP00 Regulation 1272/2008 Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	0,09 - <0,24 %
CAS: 64742-88-7 EC: 265-191-7 Index: 649-405-00-X REACH 01-2119537181-47-XXX	Solvent naphtha (petroleum), medium aliph. ⁽²⁾ ATP ATP05 Regulation 1272/2008 Asp. Tox. 1: H304; STOT RE 1: H372 - Danger	<0,09 %
CAS: 136-52-7 EC: 205-250-6 Index: Non-applicable REACH 01-2119524678-29-XXX	Cobalt bis(2-ethylhexanoate)(1) Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 2: H361; Skin Sens. 1A: H317 - Warning	<0,09 %

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830 ⁽²⁾ Substance with a Union workplace exposure limit

To obtain more information on the hazards 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, in which case 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:





SECTION 5: FIREFIGHTING MEASURES (continued)

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 self-contained breathing apparatus (SCBA). 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. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, 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 inert medium. 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.

Methods and material for containment and cleaning up:

It is recommended:

6.3

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





SECTION 7: HANDLING AND STORAGE (continued)

 Minimum Temp.:
 5 °C

 Maximum Temp.:
 35 °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			
Xylene	IC	DELV (8h)	50 ppm	221 mg/m ³
CAS: 1330-20-7	IC	DELV (STEL)	100 ppm	442 mg/m ³
EC: 215-535-7	Y	ear	2018	
2-butoxyethanol	IC	DELV (8h)	20 ppm	98 mg/m ³
CAS: 111-76-2	IC	DELV (STEL)	50 ppm	246 mg/m ³
EC: 203-905-0	Y	ear	2018	
Solvent naphtha (petroleum), medium aliph.	IC	DELV (8h)		
CAS: 64742-88-7	IC	DELV (STEL)		
EC: 265-191-7	Y	ear	2018	

DNEL (Workers):

		Short e	xposure	Long e	xposure
Identification		Systemic	Local	Systemic	Local
Xylene	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/m ³	289 mg/m ³	77 mg/m ³	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/m ³	3,33 mg/m ³
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/m ³	246 mg/m ³	98 mg/m ³	Non-applicable
Cobalt bis(2-ethylhexanoate)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 136-52-7	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 205-250-6	Inhalation	Non-applicable	Non-applicable	Non-applicable	0,2351 mg/m ³

DNEL (General population):

		Short	Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local	
Xylene	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/m ³	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/m ³	2 mg/m ³	
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/m ³	123 mg/m ³	49 mg/m ³	Non-applicable	
Cobalt bis(2-ethylhexanoate)	Oral	Non-applicable	Non-applicable	0,0558 mg/kg	Non-applicable	
CAS: 136-52-7	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
EC: 205-250-6	Inhalation	Non-applicable	Non-applicable	Non-applicable	0,037 mg/m ³	





SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

ΡN	EC:

Identification				
Xylene	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
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
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
Cobalt bis(2-ethylhexanoate)	STP	0,37 mg/L	Fresh water	0,00051 mg/L
CAS: 136-52-7	Soil	7,9 mg/kg	Marine water	0,00236 mg/L
EC: 205-250-6	Intermittent	Non-applicable	Sediment (Fresh water)	9,5 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	9,5 mg/kg

8.2 Exposure controls:

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

If product is used at the concentration dosing conditions specified in the relevant instructions for use (section 15), personal protective equipment described in section 8.2 for UNDILUTED products will not be required.

Safe handling recommendations for undiluted product:

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective 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	CAT III	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.

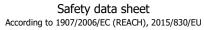
C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Protective gloves against minor risks	CATI		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.

"As the product is a mixture of several substances, the resistance of the glove material can not be predicted 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	Panoramic glasses against splash/projections.		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	Body protection	· · · · · ·			



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)



MERCOLA

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Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory complete body protection	Antistatic and fireproof protective clothing		EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2001 EN ISO 14116:2015 EN 1149-5:2008	Limited protection against flames.
Mandatory foot protection	Safety footwear with antistatic and heat resistant properties		EN 13287:2008 EN ISO 20345:2011	Replace boots at any sign of deterioration.
F Additional emerger	ncy measures		L	
Emergency mea	sure	Standards	Emergency measure	e Standards
Emergency show	ISO	NSI Z358-1 3864-1:2002	Eyewash stations	DIN 12 899 ISO 3864-1:2002
Environmental expo	sure controls:			
۔ In accordance with the	e community legislation d its container. For add			commended to avoid environmental sp
With regard to Directiv	e 2010/75/EU, this proc	luct has the follow	ving characteristics:	
V.O.C. (Supply):	13,73 % weig	nt		
V.O.C. density at 20 of	C: 209,03 kg/m ³	(200.03.0/1)		
v.O.C. density at 20 °C	209,03 Kg/III	(209,03 9/L)		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

110,3 g/mol

Average molecular weight:

JLCI	SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES					
9.1	Information on basic physical and chemical prop	erties:				
	For complete information see the product datasheet.					
	Appearance:					
	Physical state at 20 °C:	Liquid				
	Appearance:	Fluid				
	Colour:	White				
	Odour:	Characteristic				
	Odour threshold:	Non-applicable *				
	Volatility:					
	Boiling point at atmospheric pressure:	165 °C				
	Vapour pressure at 20 °C:	379 Pa				
	Vapour pressure at 50 °C:	2140 Pa (2 kPa)				
	Evaporation rate at 20 °C:	Non-applicable *				
	Product description:					
	Density at 20 °C:	1523 kg/m³				
	Relative density at 20 °C:	1,523				
	Dynamic viscosity at 20 °C:	19500 - 20500 cP				
	Kinematic viscosity at 20 °C:	Non-applicable *				
	Kinematic viscosity at 40 °C:	Non-applicable *				
	Concentration:	1430 g/L (active ingredient)				
	*Not relevant due to the nature of the product, not providing informa-	ation property of its hazards.				





SECT	ION 9: PHYSICAL AND CHEMICAL PRO	PERTIES (continued)		
	pH:	Non-applicable *		
	Vapour density at 20 ºC:	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:			
	Flash Point:	27 °C		
	Flammability (solid, gas):	Non-applicable *		*
	Autoignition temperature:	230 °C		
	Lower flammability limit:	Not available		
	Upper flammability limit:	Not available		
	Explosive:			
	Lower explosive limit:	Non-applicable *		
	Upper explosive limit:	Non-applicable *		
9.2	Other information:			
	Surface tension at 20 °C:	Non-applicable *		
	Refraction index:	Non-applicable *		
	*Not relevant due to the nature of the product, not pro	oviding information property of its hazards.		
SECT	ION 10: STABILITY AND REACTIVITY			
10.1	Reactivity:			
	No hazardous reactions are expected because	e the product is stable under recom	mended storage conditions	. See section 7.
10.2	Chemical stability:			
	Chemically stable under the conditions of sto	brage, handling and use.		
10.3	Possibility of hazardous reactions:			
	Under the specified conditions, hazardous re	actions that lead to excessive tempe	eratures or pressure are not	t expected.
10.4	Conditions to avoid:			
	Applicable for handling and storage at room	temperature:		
	Shock and friction Contact with		Sunlight	Humidity
	Not applicable Not applica	ble 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





SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, 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 : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

- Corrosivity/Irritability: 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.

- 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. However, it does 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, as it does not contain 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, as it does not contain substances classified as dangerous for this effect. 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, as it does not contain substances classified as dangerous for this effect. 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	А	cute toxicity	Genus
Xylene	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)	
Butanone oxime	LD50 oral	2100 mg/kg	Rat
CAS: 96-29-7	LD50 dermal	1100 mg/kg	Rat
EC: 202-496-6	LC50 inhalation	Non-applicable	







SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification		Acute toxicity		
2-butoxyethanol	LD50 oral	1414 mg/kg	Rat	
CAS: 111-76-2	LD50 dermal	1060 mg/kg	Rabbit	
EC: 203-905-0	LC50 inhalation	11 mg/L (4 h)	Rat	
Solvent naphtha (petroleum), medium aliph.	LD50 oral	5100 mg/kg	Rat	
CAS: 64742-88-7	LD50 dermal	Non-applicable		
EC: 265-191-7	LC50 inhalation	Non-applicable		

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	LC50	13.5 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 1330-20-7	EC50	3.4 mg/L (48 h)	Ceriodaphnia dubia	Crustacear
EC: 215-535-7	EC50	10 mg/L (72 h)	Skeletonema costatum	Algae
Butanone oxime	LC50	843 mg/L (96 h)	Pimephales promelas	Fish
CAS: 96-29-7	EC50	750 mg/L (48 h)	Daphnia magna	Crustacea
EC: 202-496-6	EC50	83 mg/L (72 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	Crustacea
EC: 203-905-0	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Solvent naphtha (petroleum), medium aliph.	LC50	800 mg/L (96 h)	Salmo gairdneri	Fish
CAS: 64742-88-7	EC50	100 mg/L (48 h)	Daphnia magna	Crustacea
EC: 265-191-7	EC50	450 mg/L (96 h)	Selenastrum capricornutum	Algae
Cobalt bis(2-ethylhexanoate)	LC50	0.1 - 1 mg/L (96 h)		Fish
CAS: 136-52-7	EC50	0.1 - 1 mg/L		Crustacea
EC: 205-250-6	EC50	0.1 - 1 mg/L		Algae

12.2 Persistence and degradability:

Identification		Degradability		Biodegradability	
Xylene		BOD5	Non-applicable	Concentration	Non-applicable
CAS: 1330-20-7		COD	Non-applicable	Period	28 days
EC: 215-535-7		BOD5/COD	Non-applicable	% Biodegradable	88 %
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 %
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 %

12.3 Bioaccumulative potential:

Identification	Bioa	Bioaccumulation potential			
Xylene	BCF	9			
CAS: 1330-20-7	Pow Log	2.77			
EC: 215-535-7	Potential	Low			
Butanone oxime	BCF	5			
CAS: 96-29-7	Pow Log	0.59			
EC: 202-496-6	Potential	Low			
2-butoxyethanol	BCF	3			
CAS: 111-76-2	Pow Log	0.83			
EC: 203-905-0	Potential	Low			
Solvent naphtha (petroleum), medium aliph.	BCF				
CAS: 64742-88-7	Pow Log	4.6			
EC: 265-191-7	Potential				





SECTION 12: ECOLOGICAL INFORMATION (continued)

12.4 Mobility in soil:

Identification	Absor	ption/desorption	Volatility	
Xylene	Кос	202	Henry	524,86 Pa·m³/mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes
Butanone oxime	Кос	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 °C)	Moist soil	Non-applicable
2-butoxyethanol	Кос	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 °C)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

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 hazardous substances	Dangerous

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

HP3 Flammable

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) No 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 2017 and RID 2017:

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	Environmental hazards:	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
	14.2 14.3 14.4 14.5 14.6	 14.4 Packing group: 14.5 Environmental hazards: 14.6 Special precautions for user Special regulations: Tunnel restriction code: Physico-Chemical properties: Limited quantities: 14.7 Transport in bulk according to Annex II of Marpol and the





Transport of da	angerou	is goods by sea:	
With regard to I	MDG 38-	16:	
	14.1	UN number:	UN1263
	14.2	UN proper shipping name:	PAINT
	14.3	Transport hazard class(es):	3
		Labels:	3
$\langle - \rangle$	14.4	Packing group:	ш
3	14.5	Environmental hazards:	No
	14.6	Special precautions for user	
		Special regulations:	223, 955, 163, 367
		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:	o Non-applicable
Transport of da	angerou	us goods by air:	
With regard to I	ATA/ICA	0 2017:	
	14.1	UN number:	UN1263
JAK	14.2	UN proper shipping name:	PAINT
$\langle \simeq \rangle$	14.3	Transport hazard class(es):	3
		Labels:	3
3	14.4	Packing group:	III
•	14.5	Environmental hazards:	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:	o Non-applicable

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) No 1907/2006 (REACH): Non-applicable Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable Regulation (EC) No 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):





SECTION 15: REGULATORY INFORMATION (continued)

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:

-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 a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Relevant instructions for use:

Thin up to 10% with SWAN NITRO SOLVENT

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 (EC) No 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:

H315: Causes skin irritation

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:





SECTION 16: OTHER INFORMATION (continued)

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 Aquatic Acute 1: H400 - Very toxic to aquatic life Aquatic Chronic 3: H412 - Harmful 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. 3: H226 - Flammable liquid and vapour Repr. 2: H361 - Suspected of damaging fertility or the unborn child Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1: H317 - May cause an allergic skin reaction Skin Sens. 1A: H317 - May cause an allergic skin reaction STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure

Classification procedure:

Skin Irrit. 2: Calculation method Acute Tox. 4: Calculation method Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

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

Principal bibliographical sources:

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

