

URKI-FLEET
Solvent based Mixing System Products

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

- 1.1 Product identifier:** URKI-FLEET
Solvent based Mixing System Products
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Liquid paint. For professional use 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:

Directive 67/548/EC and Directive 1999/45/EC:

This product was classified in accordance with Directive 67/548/EC and Directive 1999/45/EC, adapting the requirements to Regulation (EC) n°1907/2006 (REACH regulation).

Carc. Cat 3: R40 - Limited evidence of a carcinogenic effect
N: R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Xi: R43 - May cause sensitisation by skin contact
Xn: R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation
R10 - Flammable
R66 - Repeated exposure may cause skin dryness or cracking
R67 - Vapours may cause drowsiness and dizziness

CLP Regulation (EC) n° 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411
Carc. 2: Carcinogenicity, Category 2, H351
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
STOT RE 1: Specific target organ toxicity, repeated exposure, Category 1, H372
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:

Directive 67/548/EC and Directive 1999/45/EC:

In accordance with the legislation, the elements on the label are as follows:



R Phrases:

R10: Flammable
R40: Limited evidence of a carcinogenic effect
R43: May cause sensitisation by skin contact
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R66: Repeated exposure may cause skin dryness or cracking
R67: Vapours may cause drowsiness and dizziness

S Phrases:

S24: Avoid contact with skin
S36/37: Wear suitable protective clothing and gloves
S43: In case of fire, use polyvalent powder ABC
S61: Avoid release to the environment Refer to special instructions/safety data sheets

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SECTION 2: HAZARDS IDENTIFICATION (continue)

Supplementary information:

Non-applicable

Substances that contribute to the classification:

Butanone oxime; Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

CLP Regulation (EC) n° 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects
Carc. 2: H351 - Suspected of causing cancer
Eye Irrit. 2: H319 - Causes serious eye irritation
Flam. Liq. 3: H226 - Flammable liquid and vapour
Skin Sens. 1A: H317 - May cause an allergic skin reaction
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure
STOT SE 3: H336 - May cause drowsiness or dizziness

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
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313: IF exposed or concerned: Get medical advice/attention
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.

Supplementary information:

EUH066: Repeated exposure may cause skin dryness or cracking
EUH208: Contains Butanone oxime, Cobalt bis(2-ethylhexanoate). May produce an allergic reaction

Substances that contribute to the classification

Naphtha (petroleum), hydrodesulfurized heavy, < 0.1 % EC 200-753-7; Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics; Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w)

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:

In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 64742-82-1 EC: 265-185-4 Index: 649-330-00-2 REACH: 01-2119490979-12-XXXX	Naphtha (petroleum), hydrodesulfurized heavy, < 0.1 % EC 200-753-7 Directive 67/548/EC N: R51/53; Xn: R65; R10; R66; R67 Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336 - Danger	ATP ATP05 10 - <25 %
CAS: Non-applicable EC: 919-446-0 Index: Non-applicable REACH: 01-2119458049-33-XXXX	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Directive 67/548/EC N: R51/53; Xn: R48/20, R65; R10; R66; R67 Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT RE 1: H372; STOT SE 3: H336 - Danger	Self-classified 10 - <25 %
CAS: Non-applicable EC: 919-857-5 Index: Non-applicable REACH: 01-2119463258-33-XXXX	Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics Directive 67/548/EC Xn: R65; R10; R66; R67 Regulation 1272/2008 Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336 - Danger	Self-classified 5 - <10 %

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continue)

Identification	Chemical name/Classification	Concentration
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 Directive 67/548/EC N: R51/53; Xi: R37; Xn: R65; R10; R66; R67 Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336 - Danger	5 - <10 %
CAS: Non-applicable EC: 918-317-6 Index: Non-applicable REACH: 01-2119474196-32-XXXX	Hydrocarbons, C10-C13, isoalkanes, cyclics, aromatics < 2% Self-classified Directive 67/548/EC Xn: R65; R66 Regulation 1272/2008 Asp. Tox. 1: H304 - Danger	1 - <2,5 %
CAS: 2457-02-5 EC: 219-536-3 Index: Non-applicable REACH: Non-applicable	Strontium bis(2-ethylhexanoate) Self-classified Directive 67/548/EC Xi: R38 Regulation 1272/2008 Skin Irrit. 2: H315 - Warning	1 - <2,5 %
CAS: 96-29-7 EC: 202-496-6 Index: 616-014-00-0 REACH: 01-2119539477-28-XXXX	Butanone oxime ATP CLP00 Directive 67/548/EC Carc. Cat 3: R40; Xi: R41, R43; Xn: R21 Regulation 1272/2008 Acute Tox. 4: H312; Carc. 2: H351; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	1 - <2,5 %
CAS: 136-52-7 EC: 205-250-6 Index: Non-applicable REACH: 01-2119524678-29-XXXX	Cobalt bis(2-ethylhexanoate) Self-classified Directive 67/548/EC N: R50/53; Repr. Cat 3: R62; Xi: R43 Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 2: H361; Skin Sens. 1A: H317 - Warning	0,25 - <0,5 %
CAS: 34590-94-8 EC: 252-104-2 Index: Non-applicable REACH: 01-2119450011-60-XXXX	Dipropylene Glycol Methyl Ether Not classified Directive 67/548/EC Regulation 1272/2008	0,25 - <0,5 %

To obtain more information on the risk of the substances consult sections 8, 11, 12 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 MSDS of this product.

By inhalation:

This product does not contain substances classified as dangerous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

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 MSDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. 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:

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SECTION 5: FIREFIGHTING MEASURES (continue)

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED 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. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on 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

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:	5 °C
Maximum Temp.:	30 °C
Maximum time:	24 Months

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SECTION 7: HANDLING AND STORAGE (continue)

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	
Dipropylene Glycol Methyl Ether	IOELV (8h)	50 ppm	308 mg/m ³
CAS: 34590-94-8	IOELV (STEL)		
EC: 252-104-2	Year	2014	

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) CAS: Non-applicable EC: 919-446-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	44 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	330 mg/m ³	Non-applicable
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 919-857-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	300 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1500 mg/m ³	Non-applicable
Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w) CAS: Non-applicable EC: 918-668-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	150 mg/m ³	Non-applicable
Butanone oxime CAS: 96-29-7 EC: 202-496-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	2,5 mg/kg	Non-applicable	1,3 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	9 mg/m ³	3,33 mg/m ³
Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	0,2351 mg/m ³
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	65 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	310 mg/m ³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) CAS: Non-applicable EC: 919-446-0	Oral	Non-applicable	Non-applicable	26 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	26 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	71 mg/m ³	Non-applicable
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 919-857-5	Oral	Non-applicable	Non-applicable	300 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	300 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	900 mg/m ³	Non-applicable
Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w) CAS: Non-applicable EC: 918-668-5	Oral	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	11 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	32 mg/m ³	Non-applicable
Butanone oxime CAS: 96-29-7 EC: 202-496-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	1,5 mg/kg	Non-applicable	0,78 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2,7 mg/m ³	2 mg/m ³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6	Oral	Non-applicable	Non-applicable	0,0558 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	0,037 mg/m ³
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	Oral	Non-applicable	Non-applicable	1,67 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	15 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	37,2 mg/m ³	Non-applicable

PNEC:

Identification				
Butanone oxime CAS: 96-29-7 EC: 202-496-6	STP	177 mg/L	Fresh water	0,256 mg/L
	Soil	Non-applicable	Marine water	Non-applicable
	Intermittent	0,118 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6	STP	0,37 mg/L	Fresh water	0,00051 mg/L
	Soil	7,9 mg/kg	Marine water	0,00236 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	9,5 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	9,5 mg/kg
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	STP	4168 mg/L	Fresh water	19 mg/L
	Soil	2,74 mg/kg	Marine water	1,9 mg/L
	Intermittent	190 mg/L	Sediment (Fresh water)	70,2 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	7,02 mg/kg



8.2 Exposure controls:

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



In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the professional exposure limits. In case of using individual protection equipment they should have the 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 additional 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, vapours and particles		EN 149:2001+A1:2009 EN 405:2001+A1:2009	Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected.

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.

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 172:1994/A1:2000 EN 172:1994/A2:2001 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



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	 CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 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	 CAT III	EN 13287:2008 EN ISO 20345:2011 EN 13832-1:2006 EN ISO 20344:2011	Replace boots at any sign of deterioration.

F.- 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):	44,34 % weight
V.O.C. density at 20 °C:	412,35 kg/m ³ (412,35 g/L)
Average carbon number:	9,16
Average molecular weight:	125,4 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 °C:	Liquid
Appearance:	Viscous
Color:	Yellowish
Odor:	Solvent

Volatility:

Boiling point at atmospheric pressure:	157 °C
Vapour pressure at 20 °C:	196 Pa
Vapour pressure at 50 °C:	1524 Pa (2 kPa)
Evaporation rate at 20 °C:	Non-applicable *

Product description:

Density at 20 °C:	880 - 980 kg/m ³
Relative density at 20 °C:	0,88 - 0,98
Dynamic viscosity at 20 °C:	1580 - 1474 cP
Kinematic viscosity at 20 °C:	1642 cSt
Kinematic viscosity at 40 °C:	>20,5 cSt
Concentration:	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 (continue)

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:	Immiscible
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	41 °C
Autoignition temperature:	270 °C
Lower flammability limit:	Not available
Upper flammability limit:	Not available

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 providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected if the following technical instructions storage of chemicals. 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	Not applicable	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Combustive materials	Combustible materials	Others
Not applicable	Not applicable	Avoid direct impact	Not applicable	Not applicable

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

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:

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SECTION 11: TOXICOLOGICAL INFORMATION (continue)

- 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 contains substances classified as dangerous for consumption. For more information see section 3.
- B- Inhalation:
 - Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain 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:
 - 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: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.
 - 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 sensibilizing 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)-time exposure:

Exposure in high concentrations can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of concentration.
- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Serious health effects in the case of prolonged consumption, including death, serious functional disorders or morphological changes of toxicological importance.
 - Skin: Repeated exposure may cause skin dryness or cracking
- 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
Cobalt bis(2-ethylhexanoate)	LD50 oral	>2000 mg/kg	
CAS: 136-52-7	LD50 dermal	>2000 mg/kg	
EC: 205-250-6	LC50 inhalation	Non-applicable	
Strontium bis(2-ethylhexanoate)	LD50 oral	>2000 mg/kg	
CAS: 2457-02-5	LD50 dermal	>2000 mg/kg	
EC: 219-536-3	LC50 inhalation	Non-applicable	
Hydrocarbons, C10-C13, isoalkanes, cyclics, aromatics < 2%	LD50 oral	>2000 mg/kg	
CAS: Non-applicable	LD50 dermal	>2000 mg/kg	
EC: 918-317-6	LC50 inhalation	Non-applicable	
Dipropylene Glycol Methyl Ether	LD50 oral	>2000 mg/kg	
CAS: 34590-94-8	LD50 dermal	>2000 mg/kg	
EC: 252-104-2	LC50 inhalation	Non-applicable	
Naphtha (petroleum), hydrodesulfurized heavy, < 0.1 % EC 200-753-7	LD50 oral	5100 mg/kg	Rat
CAS: 64742-82-1	LD50 dermal	3160 mg/kg	Rabbit
EC: 265-185-4	LC50 inhalation	12 mg/L (4 h)	Rat
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics	LD50 oral	5100 mg/kg	Rat
CAS: Non-applicable	LD50 dermal	>2000 mg/kg	
EC: 919-857-5	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continue)

Identification	Acute toxicity	Genus
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) CAS: Non-applicable EC: 919-446-0	LD50 oral >2000 mg/kg LD50 dermal >2000 mg/kg LC50 inhalation Non-applicable	
Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w) CAS: Non-applicable EC: 918-668-5	LD50 oral 3492 mg/kg LD50 dermal 3160 mg/kg LC50 inhalation 6193 mg/L (4 h)	Rat Rabbit Rat
Butanone oxime CAS: 96-29-7 EC: 202-496-6	LD50 oral 2100 mg/kg LD50 dermal 1100 mg/kg LC50 inhalation Non-applicable	Rat 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	Specie	Genus
Naphtha (petroleum), hydrodesulfurized heavy, < 0.1 % EC 200-753-7 CAS: 64742-82-1 EC: 265-185-4	LC50 Non-applicable EC50 4,3 mg/L (96 h) EC50 Non-applicable	Crangon crangon	Crustacean
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) CAS: Non-applicable EC: 919-446-0	LC50 1 - 10 mg/L (96 h) EC50 1 - 10 mg/L EC50 1 - 10 mg/L		Fish Crustacean Algae
Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w) CAS: Non-applicable EC: 918-668-5	LC50 1 - 10 mg/L (96 h) EC50 1 - 10 mg/L EC50 1 - 10 mg/L		Fish Crustacean Algae
Butanone oxime CAS: 96-29-7 EC: 202-496-6	LC50 843 mg/L (96 h) EC50 750 mg/L (48 h) EC50 83 mg/L (72 h)	Pimephales promelas Daphnia magna Scenedesmus subspicatus	Fish Crustacean Algae
Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6	LC50 0,1 - 1 mg/L (96 h) EC50 0,1 - 1 mg/L EC50 0,1 - 1 mg/L		Fish Crustacean Algae
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	LC50 10000 mg/L (96 h) EC50 1919 mg/L (48 h) EC50 Non-applicable	Pimephales promelas Daphnia magna	Fish Crustacean

12.2 Persistence and degradability:

Identification	Degradability	Biodegradability
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: Non-applicable EC: 919-857-5	BOD5 Non-applicable COD Non-applicable BOD5/COD Non-applicable	Concentration Non-applicable Period 28 days % Biodegradable 80 %
Hydrocarbons, C10-C13, isoalkanes, cyclics, aromatics < 2 % CAS: Non-applicable EC: 918-317-6	BOD5 Non-applicable COD Non-applicable BOD5/COD Non-applicable	Concentration Non-applicable Period 28 days % Biodegradable 89,9 %
Butanone oxime CAS: 96-29-7 EC: 202-496-6	BOD5 Non-applicable COD Non-applicable BOD5/COD Non-applicable	Concentration 100 mg/L Period 28 days % Biodegradable 24 %
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	BOD5 Non-applicable COD 0.00202 g O2/g BOD5/COD Non-applicable	Concentration Non-applicable Period 28 days % Biodegradable 73 %

12.3 Bioaccumulative potential:

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SECTION 12: ECOLOGICAL INFORMATION (continue)

Identification	Bioaccumulation potential	
Naphtha (petroleum), hydrodesulfurized heavy, < 0.1 % EC 200-753-7 CAS: 64742-82-1 EC: 265-185-4	BCF Pow Log Potential	645 4 High
Butanone oxime CAS: 96-29-7 EC: 202-496-6	BCF Pow Log Potential	5 0,59 Low
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	BCF Pow Log Potential	1 -0,06 Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Butanone oxime CAS: 96-29-7 EC: 202-496-6	Koc Conclusion Surface tension	3 Very High 25700 N/m (25 °C)	Henry Dry soil Moist soil	Non-applicable Non-applicable 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):

HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration 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 recommend disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) n°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:

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Solvent based Mixing System Products

SECTION 14: TRANSPORT INFORMATION (continue)



- 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: Yes
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 73/78 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: Yes
14.6 Special precautions for user
 Special regulations: 163, 223, 944, 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 73/78 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: Yes
14.6 Special precautions for user
 Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: 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) 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
 Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non-applicable

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Solvent based Mixing System Products

SECTION 15: REGULATORY INFORMATION (continue)

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):

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:

Nonapplicable

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° 453/2010)

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

CLP Regulation (EC) n° 1272/2008:

- Hazard statements
- Precautionary statements

Content of the 3rd section presenting modifications:

- Cobalt bis(2-ethylhexanoate) (136-52-7): Hazard statements

Texts of the legislative phrases mentioned in section 2.:

- H317: May cause an allergic skin reaction
- H351: Suspected of causing cancer
- H336: May cause drowsiness or dizziness
- H411: Toxic to aquatic life with long lasting effects
- H372: Causes damage to organs through prolonged or repeated exposure
- H226: Flammable liquid and vapour
- H319: Causes serious eye irritation

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

Directive 67/548/EC and Directive 1999/45/EC:

- R10: Flammable
- R21: Harmful in contact with skin
- R37: Irritating to respiratory system
- R38: Irritating to skin
- R40: Limited evidence of a carcinogenic effect
- R41: Risk of serious damage to eyes
- R43: May cause sensitisation by skin contact
- R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation
- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- R62: Possible risk of impaired fertility
- R65: Harmful: may cause lung damage if swallowed
- R66: Repeated exposure may cause skin dryness or cracking
- R67: Vapours may cause drowsiness and dizziness

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SECTION 16: OTHER INFORMATION (continue)

CLP Regulation (EC) n° 1272/2008:

Acute Tox. 4: H312 - Harmful in contact with skin
Aquatic Acute 1: H400 - Very toxic to aquatic life
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects
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
STOT SE 3: H335 - May cause respiratory irritation
STOT SE 3: H336 - May cause drowsiness or dizziness

Classification procedure:

Skin Sens. 1A: Calculation method
Carc. 2: Calculation method
STOT SE 3: Calculation method
Aquatic Chronic 2: Calculation method
STOT RE 1: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)
Eye Irrit. 2: Calculation method

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

The information contained in this security 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 security data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -