SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identification:

Product name:	Oil-based size 3h

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

Relevant uses:	Paints and varnishes. For professional users 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:

Responsible distributor :	ASSYST bvba / A.S.O.W. bvba Hellegatstraat 13a 2590 Berlaar Belgium Tel: +32 495 50 61 14 / +32 496 83 70 27 Website: www.assyst.org / www.artsuppliesonweb.com Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency Phone Number:

For Belgium:	Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.
NHS 24 Direct	For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

The product is classified according to the applicable legislation.

Classification in accordance with Regulation (EC) No 1272/2008 as amended.

Acute Tox. 4: Acute toxicity, Category 4, H302+H312+H332
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1: Sensitisation, skin, Category 1, H317
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:

Hazard pictograms:

Signal word Warning.

Supplementary information:

Contains

- ✓ Cobalt bis(2-ethylhexanoate).

Substances that contribute to the classification:

- ✓ Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics;
- ✓ Turpentine, oil;
- ✓ Xylene

Hazard statements:
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
Precautionary statements:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
2.3 Other hazards:
Product fails to meet PBT/vPvB criteria.
Endocrine-disrupting properties:
The product fails to meet the criteria.

SECTION 3: Composition and information on ingredients

3.2 Mixtures:
Chemical description:
Solution of solute and solvent
Components:
In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Chemical Name	CAS No. EC No. Index No. Registration number	Classification (Regulation (EC) No 1272/008)	Concentration (%)
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics[1]	64742-48-9 919-857-5 - 01-2119463258-33	Flam. Liq. 3 H226 Asp. Tox. 1 H304 STOT SE 3 H336 EUH066	>= 25%- < 30%
Turpentine, oil[1]	8006-64-2 232-350-7 650-002-00-6 01-2119488216-32	Acute Tox. 4: H302+H312+H332; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317	>= 10 - < 15
Xylene[1]	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315	2,5 - <5 %
Ethylbenzene[2]	100-41-4 202-849-4 601-023-00-4 01-2119489370-35	Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373	0,5 - <1 %
Cobalt bis(2-ethylhexanoate)[1]	136-52-7 205-250-6 -	Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319;	<0,1 %

	01-2119524678-29	Repr. 1B: H360; Skin Sens. 1A: H317	
Dipropylene Glycol Methyl Ether[(2)]	34590-94-8 252-104-2 - 01-2119450011-60	Not classified	<0,1 %

[(1)] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878.
[(2)] Substance with a Union workplace exposure limit.
To obtain more information on the hazards of the substances consult sections 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 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 water for at least 15 minutes.
If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product.
Do not induce vomiting, but if it does happen keep the head down to avoid aspiration.
In the case of loss of consciousness do not administer anything orally unless supervised by a doctor.
Rinse out the mouth and throat, as they may have been affected during ingestion.
Keep the person affected at rest.

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: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO_2).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet 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 for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:
For non-emergency personnel:
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.
Remove 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.
For emergency responders:
Wear protective equipment.
Keep unprotected persons away.
See section 8.
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
General precautions for safe use:
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.
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 inertisation 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 2014/34/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.
Technical recommendations on general occupational hygiene:
Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
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:
Technical measures for storage:
Minimum Temp.: 5°C
Maximum Temp.: 30°C
Maximum time: 6 Months
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:
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 workplace (European OEL, not country-specific legislation):
Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
Xylene CAS: 1330-20-7 EC: 215-535-7	IOELV (8h)	50 ppm	221 mg/m³
	IOELV (STEL)	100 ppm	442 mg/m³
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	IOELV (8h)	100 ppm	442 mg/m³
	IOELV (STEL)	200 ppm	884 mg/m³
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	IOELV (8h)	50 ppm	308 mg/m³
	IOELV (STEL)		

DNEL (Workers):

		Short Term Exposure		Long Term Exposure	
Identification		**Systemic**	**Local**	**Systemic**	**Local**
Xylene CAS: 1330-20-7 EC: 215-535-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	212 mg/kg	Non-applicable
	Inhalation	442 mg/m³	442 mg/m³	221 mg/m³	221 mg/m³
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable
	Inhalation	Non-applicable	293 mg/m³	77 mg/m³	Non-applicable
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/m³
Dipropylene Glycol Methyl Ether CAS: 34590-94-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	283 mg/kg	Non-applicable

EC: 252-104-2	Inhalation	Non-applicable	Non-applicable	308 mg/m³	Non-applicable

DNEL (General Population):

		Short Term Exposure		Long Term Exposure	
Identification		**Systemic**	**Local**	**Systemic**	**Local**
Xylene	Oral	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	125 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	260 mg/m³	260 mg/m³	65,3 mg/m³	65,3 mg/m³
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
Cobalt bis(2-ethylhexanoate)	Oral	Non-applicable	Non-applicable	0,175 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/m³
Dipropylene Glycol Methyl Ether	Oral	Non-applicable	Non-applicable	36 mg/kg	Non-applicable
CAS: 34590-94-8	Dermal	Non-applicable	Non-applicable	121 mg/kg	Non-applicable
EC: 252-104-2	Inhalation	Non-applicable	Non-applicable	37,2 mg/m³	Non-applicable

PNEC exposure limit values:

Identification				
Xylene	Sewage Treatment Plant	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 emissions	0,327 mg/L	Fresh Water Sediment	12,46 mg/kg
	Oral	Non-applicable	Marine Water Sediment	12,46 mg/kg
Ethylbenzene	Sewage Treatment Plant	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 emissions	0,1 mg/L	Fresh Water Sediment	13,7 mg/kg
	Oral	0,02 g/kg	Marine Water Sediment	1,37 mg/kg
Cobalt bis(2-ethylhexanoate)	Sewage Treatment Plant	0,37 mg/L	Fresh Water	0,00062 mg/L
CAS: 136-52-7	Soil	10,9 mg/kg	Marine Water	0,00236 mg/L
EC: 205-250-6	Intermittent emissions	Non-applicable	Fresh Water Sediment	53,8 mg/kg
	Oral	Non-applicable	Marine Water Sediment	69,8 mg/kg
Dipropylene Glycol Methyl Ether	Sewage Treatment Plant	4168 mg/L	Fresh Water	19 mg/L
CAS: 34590-94-8	Soil	2,74 mg/kg	Marine Water	1,9 mg/L
EC: 252-104-2	Intermittent emissions	190 mg/L	Fresh Water Sediment	70,2 mg/kg
	Oral	Non-applicable	Marine Water Sediment	7,02 mg/kg

8.2 Exposure controls:

Individual protection measures, such as personal protective equipment:

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. 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.

Respiratory protection:

Pictogram:	Mandatory respiratory tract protection
PPE:	Filter mask for gases and vapours
Labelling:	CE Cat III
CEN Standard:	EN 405:2002+A1:2010
Remarks:	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.

Specific protection for the hands:

Pictogram:	Mandatory hand protection
PPE:	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)

Labelling:	CE Cat III
CEN Standard:	EN ISO 21420:2020
Remarks:	Replace the gloves at any sign of deterioration.

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

Eye and face protection:

Pictogram:	Mandatory face protection
PPE:	Face shield
Labelling:	CE Cat II
CEN Standard:	EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018
Remarks:	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

Body protection:

Pictogram:	Mandatory complete body protection
PPE:	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties
Labelling:	CE Cat III
CEN Standard:	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994
Remarks:	For professional use only. Clean periodically according to the manufacturer´s instructions.
Pictogram:	Mandatory foot protection
PPE:	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties
Labelling:	CE Cat III
CEN Standard:	EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019
Remarks:	Replace boots at any sign of deterioration.

Additional emergency measures:

Emergency shower

Standard:	ANSI Z358-1 ISO 3864-1:2011 ISO 3864-4:2011

Eyewash station

Standard:	DIN 12 899 ISO 3864-1:2011 ISO 3864-4:2011

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):	48,61 % weight
V.O.C. density at 20°C:	436,89 kg/m³ (436,89 g/L)
Average carbon number:	9,84
Average molecular weight:	139,82 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
Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	162°C
Vapour pressure at 20C:	356 Pa
Vapour pressure at 50°C:	2624,4 Pa (2,62 kPa)
Evaporation rate at 20°C:	Non-applicable *
Product description:	
Density at 20°C:	ca. 898,7 kg/m³
Relative density at 20°C:	0,899
Dynamic viscosity at 20°C:	3,31 cP
Kinematic viscosity at 20°C:	3,68 mm²/s
Kinematic viscosity at 40°C:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20°C:	Non-applicable *
Partition coefficient n-octanol/water 20°C:	Non-applicable *
Solubility in water at 20°C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	36°C
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	253°C
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:	
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total % (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20°C:	Non-applicable *
Refraction index:	Non-applicable *

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

SECTION 10: Stability and reactivity

10.1 Reactivity:

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

10.2 Chemical Stability:

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

10.3 Potential 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 Chemically Interacting Materials:

Acids	Water	Oxidising 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 (CO_2), 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.
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:

Ingestion (acute effect):

Acute toxicity :

The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

Corrosivity/Irritability:

The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

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 hazardous for this effect.
For more information see section 3.

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

Contact with the skin:

Produces skin inflammation.

Contact with the eyes:

Produces eye damage after contact.

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
Carcinogenicity:
Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned.
For more information see section 3.
IARC:
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics (3); Xylene (3); Ethylbenzene (2B); Cobalt bis(2-ethylhexanoate) (2B)
Mutagenicity:
Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous 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 hazardous for this effect.
For more information see section 3.
Sensitizing effects:
Respiratory:
Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects.
For more information see section 3.
Skin:
Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
Specific target organ toxicity (STOT) - single exposure:
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.
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.
Aspiration hazard:
Based on available data, the classification criteria are not met.
However, it does contain substances classified as hazardous for this effect.
For more information see section 3.
Other information:
Non-applicable.
Specific toxicology information on the substances:

Identification	Acute Toxicity		Genus
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	3523 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation	11 mg/L (ATEi)	
Turpentine, oil CAS: 8006-64-2 EC: 232-350-7	LD50 oral	500 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation	11 mg/L (4 h)	Rat
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: 64742-48-9 EC: 919-857-5	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
Ethylbenzene	LD50 oral	3500 mg/kg	Rat

CAS: 100-41-4 EC: 202-849-4	LD50 dermal	15354 mg/kg	Rabbit
	LC50 inhalation	17,2 mg/L (4 h)	Rat
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	9510 mg/kg	Rabbit
	LC50 inhalation	Non-applicable	

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Turpentine, oil CAS: 8006-64-2 EC: 232-350-7	LC50	>1 - 10 mg/L (96 h)		Fish
	EC50	>1 - 10 mg/L (48 h)		Crustacean
	EC50	>1 - 10 mg/L (72 h)		Algae
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	LC50	42,3 mg/L (96 h)	Pimephales promelas	Fish
	EC50	75 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	63 mg/L (3 h)	Chlorella vulgaris	Algae
Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6	LC50	>0.1 - 1 mg/L (96 h)		Fish
	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
	EC50	>0.1 - 1 mg/L (72 h)		Algae
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	LC50	10000 mg/L (96 h)	Pimephales promelas	Fish
	EC50	1919 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Xylene CAS: 1330-20-7 EC: 215-535-7	NOEC	1,3 mg/L	Oncorhynchus mykiss	Fish
	NOEC	1,17 mg/L	Ceriodaphnia dubia	Crustacean
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	NOEC	Non-applicable		
	NOEC	0,96 mg/L	Ceriodaphnia dubia	Crustacean
Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6	NOEC	0,21 mg/L	Pimephales promelas	Fish
	NOEC	0,1697 mg/L	Aeolosoma sp.	Crustacean
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	NOEC	Non-applicable		
	NOEC	0,5 mg/L	Daphnia magna	Crustacean

12.2. Persistence and degradability

Substance-specific information:

Identification	Degradibility		Biodegradability	
Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: 64742-48-9 EC: 919-857-5	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	80 %
Xylene CAS: 1330-20-7 EC: 215-535-7	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	88 %
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	90 %
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	BOD5	Non-applicable	Concentration	Non-applicable
	COD	0 g O2/g	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	73 %

12.3 Bioaccumulation:

Substance-specific information:

Identification	Bioaccumulation potential	
Xylene CAS: 1330-20-7 EC: 215-535-7	BCF	9
	Log Pow	2.77
	Potential	Low
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	BCF	1
	Log Pow	3.15
	Potential	Low
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	BCF	1
	Log Pow	-0.06
	Potential	Low

12.4 Mobility in Soil:

Identification	Absorption/desorption		Volatility	
Xylene CAS: 1330-20-7 EC: 215-535-7	Koc	202	Henry	524,86 Pa·m³/mol
	Conclusion	Moderate	Dry Soil	Yes
	Surface tension	Non-applicable	Moist Soil	Yes
Ethylbenzene CAS: 100-41-4 EC: 202-849-4	Koc	520	Henry	798,44 Pa·m³/mol
	Conclusion	Moderate	Dry Soil	Yes
	Surface tension	2,859E-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 Endocrine disrupting properties:
Endocrine-disrupting properties:
The product fails to meet the criteria.
12.7 Other adverse effects:
Not described.

SECTION 13: Instructions for disposal

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):
HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP13 Sensitising, HP4 Irritant — skin irritation and eye damage
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.
Waste should not be disposed of to drains.
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: Information relating to carriage

Transport of dangerous goods by land:
With regard to ADR 2021 and RID 2021:

14.1 UN number or ID 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, 650
Tunnel restriction code:	D/E
Physico-Chemical properties:	see section 9
Limited quantities:	5 L
14.7 Maritime transport in bulk according to IMO instruments:	
	Non-applicable

Transport of dangerous goods by sea:
With regard to IMDG 40-20:

14.1 UN number or ID 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 Marine pollutant:	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
Segregation group:	Non-applicable
14.7 Maritime transport in bulk according to IMO instruments:	
	Non-applicable

Transport of dangerous goods by air:
With regard to IATA/ICAO 2022:

14.1 UN number or ID 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	
Physico-Chemical properties:	see section 9
14.7 Maritime transport in bulk according to IMO instruments:	
	Non-applicable

SECTION 15: Legally required information

15.1 Safety, health and environmental regulations and 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
Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5.000	50.000

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

Shall not be used in:

- ✓ ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- ✓ tricks and jokes,
- ✓ games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as 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.

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:

The SDS shall be supplied in an official language of the country where the product is placed on the market.
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 (COMMISSION REGULATION (EU) 2020/878).

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

COMMISSION REGULATION (EU) 2020/878.

Texts of the legislative phrases mentioned in section 2:

H336: May cause drowsiness or dizziness.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H302+H312+H332: Harmful if swallowed, in contact with skin or if inhaled.
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.

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Acute Tox. 4: H332 - Harmful if inhaled.
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.
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.

Repr. 1B: H360 - May damage 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 2: H373 - May cause damage to organs through prolonged or repeated exposure.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:
STOT SE 3: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1: Calculation method
Aquatic Chronic 3: Calculation method
Acute Tox. 4: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)
Eye Irrit. 2: Calculation method

Advice related to training:
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: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer