

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



Version: 2
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SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: KLS Orange Gold
Product Code: KLS-OG

1.2 Relevant identified uses of the mixture and uses advised against.

Solvent-based colors for airbrush painting

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **CUSTOM CREATIVE**
Address: C/ SEVILLA 43
City: JEREZ DE LA FRONTERA
Province: CADIZ
Telephone: (+34) 956045939
E-mail: info@customcreative.es
Web: customcreative.es

1.4 Emergency telephone number: (+34) 956045939 (Only available during office hours; Monday-Friday; 08:00-18:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:

Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.

Eye Dam. 1 : Causes serious eye damage.

Flam. Liq. 3 : Flammable liquid and vapour.

STOT SE 3 : May cause drowsiness or dizziness.

Skin Irrit. 2 : Causes skin irritation.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:



Signal Word:

Danger

H statements:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

P statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

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P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of contents/container to ...

Contains:

n-butanol, butan-1-ol
butanone, ethyl methyl ketone
n-butyl acetate

2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	specific concentration limit
Index No: 607-025-00-1 CAS No: 123-86-4 EC No: 204-658-1 Registration No: 01-2119485493-29-XXXX	[1] n-butyl acetate	20 - 25 %	Flam. Liq. 3, H226 - STOT SE 3, H336	-
Index No: 601-022-00-9 CAS No: 1330-20-7 EC No: 215-535-7 Registration No: 01-2119488216-32-XXXX	[1] xylene (Mixture of isomers)	1 - 10 %	Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315	-
Index No: 603-004-00-6 CAS No: 71-36-3 EC No: 200-751-6 Registration No: 01-2119484630-38-XXXX	[1] n-butanol, butan-1-ol	3 - 10 %	Acute Tox. 4 *, H302 - Eye Dam. 1, H318 - Flam. Liq. 3, H226 - STOT SE 3, H335 - STOT SE 3, H336 - Skin Irrit. 2, H315	-
Index No: 606-002-00-3 CAS No: 78-93-3 EC No: 201-159-0 Registration No: 01-2119457290-43-XXXX	[1] butanone, ethyl methyl ketone	1 - 10 %	Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336	-

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Index No: 601-023-00-4 CAS No: 100-41-4 EC No: 202-849-4 Registration No: 01-2119489370-35-XXXX	[1] ethylbenzene	1 - 10 %	Acute Tox. 4 *, H332 - Asp. Tox. 1, H304 - Flam. Liq. 2, H225 - STOT RE 2, H373(órganos de audición)	-
CAS No: 85029-58-9 EC No: 285-083-3	Amines, C10-14-branched and linear alkyl, bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)	0.25 - 2.5 %	Aquatic Acute 1, H400 - Aquatic Chronic 1, H410	-
Index No: 606-004-00-4 CAS No: 108-10-1 EC No: 203-550-1 Registration No: 01-2119473980-30-XXXX	[1] 4-methylpentan-2-one, isobutyl methyl ketone	0 - 10 %	Acute Tox. 4 *, H332 - Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H335	-
Index No: 607-038-00-2 CAS No: 112-07-2 EC No: 203-933-3 Registration No: 01-2119475112-47-XXXX	[1] 2-butoxyethyl acetate, butylglycol acetate	0 - 2.5 %	Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332	-
Index No: 607-035-00-6 CAS No: 80-62-6 EC No: 201-297-1 Registration No: 01-2119452498-28-XXXX	[1] methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate	0 - 1 %	Flam. Liq. 2, H225 - STOT SE 3, H335 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
Index No: 601-021-00-3 CAS No: 108-88-3 EC No: 203-625-9 Registration No: 01-2119471310-51-XXXX	[1] toluene	0 - 3 %	Asp. Tox. 1, H304 - Flam. Liq. 2, H225 - Repr. 2, H361d *** - STOT RE 2 *, H373 ** - STOT SE 3, H336 - Skin Irrit. 2, H315	-
Index No: 603-108-00-1 CAS No: 78-83-1 EC No: 201-148-0 Registration No: 01-2119484609-23-XXXX	[1] 2-methylpropan-1-ol, iso-butanol	0 - 1 %	Eye Dam. 1, H318 - Flam. Liq. 3, H226 - STOT SE 3, H335 - STOT SE 3, H336 - Skin Irrit. 2, H315	-
Index No: 616-001-00-X CAS No: 68-12-2 EC No: 200-679-5 Registration No: 01-2119475605-32-XXXX	[1] N,N-dimethylformamide, dimethyl formamide	0 - 0.3 %	Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332 - Eye Irrit. 2, H319 - Repr. 1B, H360D ***	-

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

* ** *** See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

[1] Substance with a Community workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

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IRRITANT PREPARATION. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact.

Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed.

Corrosive Product, contact with eyes or skin can cause burns; ingestion or inhalation can cause internal damage, if this occurs immediate medical assistance is required.

Contact with eyes may cause irreversible damage.

4.3 Indication of any immediate medical attention and special treatment needed.

Request immediate medical attention. Never administer anything orally to persons who are unconscious. Do not induce vomiting. If the person vomits, clear the respiratory tract. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

SECTION 5: FIREFIGHTING MEASURES.

Flammable product, the necessary prevention measures should be taken in order to avoid risks, In case of fire, the following measures are recommended:

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the mixture.

Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

Fire protection equipment.

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According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.
For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

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Name	CAS No.	Country	Limit value	ppm	mg/m ³
n-butyl acetate	123-86-4	United Kingdom [1]	Eight hours	150	724
			Short term	200	966
		United States [2] (Cal/OSHA)	Eight hours	150	
			Short term	200	
		United States [3] (NIOSH)	Eight hours	150	
			Short term	200	
		United States [4] (OSHA)	Eight hours	150	710
			Short term		
xylene (Mixture of isomers)	1330-20-7	European Union [5]	Eight hours	50 (skin)	221 (skin)
			Short term	100 (skin)	442 (skin)
		United Kingdom [1]	Eight hours	50	220
			Short term	100	441
n-butanol, butan-1-ol	71-36-3	United Kingdom [1]	Eight hours		
			Short term	50	154
		United States [2] (Cal/OSHA)	Eight hours	(Ceiling) 50	
			Short term		
		United States [3] (NIOSH)	Eight hours	(Ceiling) 50	
			Short term		
		United States [4] (OSHA)	Eight hours	100	300
			Short term		
butanone, ethyl methyl ketone	78-93-3	European Union [5]	Eight hours	200	600
			Short term	300	900
		United Kingdom [1]	Eight hours	200	600
			Short term	300	899
		United States [2] (Cal/OSHA)	Eight hours	200	
			Short term	300	
		United States [3] (NIOSH)	Eight hours	200	
			Short term	300	
		United States [4] (OSHA)	Eight hours	200	590
			Short term		
ethylbenzene	100-41-4	European Union [5]	Eight hours	100 (skin)	442 (skin)
			Short term	200 (skin)	884 (skin)
		United Kingdom [1]	Eight hours	100	441
			Short term	125	552
		United States [2] (Cal/OSHA)	Eight hours	5	
			Short term	30	
		United States [3] (NIOSH)	Eight hours	100	
			Short term	125	
		United States [4] (OSHA)	Eight hours	100	435
			Short term		
4-methylpentan-2-one, isobutyl methyl ketone	108-10-1	European Union [5]	Eight hours	20	83
			Short term	50	208
		United Kingdom [1]	Eight hours	50	208
			Short term	100	416
		United States [2] (Cal/OSHA)	Eight hours	50	
			Short term	75	
		United States [3] (NIOSH)	Eight hours	50	
			Short term	75	
		United States [4] (OSHA)	Eight hours	100	410
			Short term		
2-butoxyethyl acetate, butylglycol acetate	112-07-2	European Union [5]	Eight hours	20 (skin)	133 (skin)
			Short term	50 (skin)	333 (skin)
		United Kingdom [1]	Eight hours	20	133
			Short term	50	332
methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl	80-62-6	European Union [5]	Eight hours	50	
			Short term	100	

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methacrylate		United Kingdom [1]	Eight hours	50	208		
			Short term	100	416		
		United States [2] (Cal/OSHA)	Eight hours	50			
			Short term	100			
		United States [3] (NIOSH)	Eight hours	100			
			Short term				
		United States [4] (OSHA)	Eight hours	100	410		
			Short term				
toluene	108-88-3	European Union [5]	Eight hours	50 (skin)	192 (skin)		
			Short term	100 (skin)	384 (skin)		
		United Kingdom [1]	Eight hours	50	191		
			Short term	100	384		
		United States [2] (Cal/OSHA)	Eight hours	10			
			Short term	150 (Ceiling) 500			
		United States [3] (NIOSH)	Eight hours	100			
			Short term	150			
		United States [4] (OSHA)	Eight hours	200			
			Short term	300 Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift: 500 [10 min]			
		2-methylpropan-1-ol,iso-butanol	78-83-1	United Kingdom [1]	Eight hours	50	154
					Short term	75	231
United States [2] (Cal/OSHA)	Eight hours			50			
	Short term						
United States [3] (NIOSH)	Eight hours			50			
	Short term						
United States [4] (OSHA)	Eight hours			100	300		
	Short term						
N,N-dimethylformamide,dimethyl formamide	68-12-2	European Union [5]	Eight hours	5 (skin)	15 (skin)		
			Short term	10 (skin)	30 (skin)		
		United Kingdom [1]	Eight hours	5	15		
			Short term	10	30		
		United States [2] (Cal/OSHA)	Eight hours	10			
			Short term				
		United States [3] (NIOSH)	Eight hours	10			
			Short term				
		United States [4] (OSHA)	Eight hours	10	30		
			Short term				

[1] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

[2] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[3] According Compendium of Policy Documents and Statements adopted by National Institute for Occupational Safety and Health (NIOSH).

[4] According Occupational Health and Safety Standards and US Code of Federal Regulations adopted by US Occupational Safety and Health Administration (OSHA).

[5] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
n-butyl acetate CAS No: 123-86-4	DNEL (Workers)	Inhalation, Long-term, Systemic effects	480 (mg/m ³)

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EC No: 204-658-1	DNEL (General population)	Inhalation, Long-term, Systemic effects	102,34 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Systemic effects	960 (mg/m ³)
	DNEL (General population)	Inhalation, Acute, Systemic effects	859,7 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Local effects	480 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Local effects	102,34 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Local effects	960 (mg/m ³)
	DNEL (General population)	Inhalation, Acute, Local effects	859,7 (mg/m ³)
	DNEL (General population)	Oral, Long-term, Systemic effects	3,4 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	3,4 (mg/kg bw/day)
xylene (Mixture of isomers) CAS No: 1330-20-7 EC No: 215-535-7	DNEL (Workers)	Inhalation, Long-term, Systemic effects	77 (mg/m ³)
n-butanol, butan-1-ol CAS No: 71-36-3 EC No: 200-751-6	DNEL (Workers)	Inhalation, Long-term, Local effects	310 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Local effects	55 (mg/m ³)
	DNEL (General population)	Oral, Long-term, Systemic effects	3,125 (mg/kg bw/day)
butanone, ethyl methyl ketone CAS No: 78-93-3 EC No: 201-159-0	DNEL (Workers)	Inhalation, Long-term, Systemic effects	600 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	106 (mg/m ³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	1161 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	412 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term, Systemic effects	31 (mg/kg bw/day)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	106 (mg/m ³)
	DNEL (General population)	Dermal, Long-term, Systemic effects	412 (mg/m ³)
ethylbenzene CAS No: 100-41-4 EC No: 202-849-4	DNEL (Workers)	Inhalation, Long-term, Systemic effects	77 (mg/m ³)
4-methylpentan-2-one, isobutyl methyl ketone CAS No: 108-10-1 EC No: 203-550-1	DNEL (Workers)	Inhalation, Long-term, Local effects	83 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Local effects	14,7 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	83 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	14,7 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Systemic effects	208 (mg/m ³)
	DNEL (General population)	Inhalation, Acute, Systemic effects	155,2 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Local effects	208 (mg/m ³)

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	DNEL (General population)	Inhalation, Acute, Local effects	155,2 (mg/m ³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	11,8 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	4,2 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term, Systemic effects	4,2 (mg/kg bw/day)
2-butoxyethyl acetate, butylglycol acetate CAS No: 112-07-2 EC No: 203-933-3	DNEL (Workers)	Inhalation, Long-term, Systemic effects	133 (mg/m ³)
methyl 2-methylprop-2-enoate, methyl methylpropenoate, methyl methacrylate CAS No: 80-62-6 EC No: 201-297-1	DNEL (Workers)	Inhalation, Long-term, Local effects	208 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	208 (mg/m ³)
toluene CAS No: 108-88-3 EC No: 203-625-9	DNEL (Workers)	Inhalation, Long-term, Local effects	192 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Local effects	56,5 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	192 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	56,5 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Systemic effects	384 (mg/m ³)
	DNEL (General population)	Inhalation, Acute, Systemic effects	226 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Local effects	384 (mg/m ³)
	DNEL (General population)	Inhalation, Acute, Local effects	226 (mg/m ³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	384 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	226 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term, Systemic effects	8,13 (mg/kg bw/day)
	2-methylpropan-1-ol, iso-butanol CAS No: 78-83-1 EC No: 201-148-0	DNEL (Workers)	Inhalation, Long-term, Local effects
DNEL (General population)		Inhalation, Long-term, Local effects	55 (mg/m ³)
N,N-dimethylformamide, dimethyl formamide CAS No: 68-12-2 EC No: 200-679-5	DNEL (Workers)	Inhalation, Long-term, Local effects	15 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Local effects	15 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	15 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	15 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Systemic effects	30 (mg/m ³)
	DNEL (General population)	Inhalation, Acute, Systemic effects	30 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Local effects	30 (mg/m ³)
	DNEL (General population)	Inhalation, Acute, Local effects	30 (mg/m ³)

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	DNEL (Workers)	Dermal, Long-term, Systemic effects	3,31 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	1,98 (mg/kg bw/day)
	DNEL (Workers)	Dermal, Acute, Systemic effects	26,3 (mg/kg bw/day)
	DNEL (General population)	Dermal, Acute, Systemic effects	15,8 (mg/kg bw/day)
	DNEL (Workers)	Dermal, Long-term, Local effects	446 (µg/cm²)
	DNEL (General population)	Dermal, Long-term, Local effects	267 (µg/cm²)
	DNEL (Workers)	Dermal, Acute, Local effects	5900 (µg/cm²)
	DNEL (General population)	Dermal, Acute, Local effects	3550 (µg/cm²)
	DNEL (General population)	Oral, Long-term, Systemic effects	1,98 (mg/kg bw/day)
	DNEL (General population)	Oral, Acute, Systemic effects	5,94 (mg/kg bw/day)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
n-butyl acetate CAS No: 123-86-4 EC No: 204-658-1	aqua (freshwater)	0,18 (mg/l)
	aqua (marine water)	0,018 (mg/l)
	aqua (intermittent releases)	0,36 (mg/l)
	PNEC STP	35,6 (mg/l)
	sediment (freshwater)	0,981 (mg/kg sediment dw)
	sediment (marine water)	0,0981 (mg/kg sediment dw)
	n-butanol, butan-1-ol CAS No: 71-36-3 EC No: 200-751-6	aqua (freshwater)
aqua (marine water)		0,0082 (mg/L)
aqua (intermittent releases)		2,25 (mg/L)
PNEC STP		2476 (mg/L)
sediment (freshwater)		0,178 (mg/kg sediment dw)
sediment (marine water)		0,0178 (mg/kg sediment dw)
soil		0,015 (mg/kg soil dw)
butanone, ethyl methyl ketone CAS No: 78-93-3 EC No: 201-159-0	aqua (freshwater)	55,8 (mg/L)
	aqua (marine water)	55,8 (mg/L)
	Soil	22,5 (mg/kg soil dw)
	aqua (intermittent releases)	55,8 (mg/L)
	PNEC STP	709 (mg/L)

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	sediment (freshwater)	284,74 (mg/kg sediment dw)
	sediment (marine water)	284,7 (mg/kg sediment dw)
	oral (Hazard for predators)	1000 (mg/kg food)
4-methylpentan-2-one, isobutyl methyl ketone CAS No: 108-10-1 EC No: 203-550-1	aqua (freshwater)	0,6 (mg/L)
	aqua (marine water)	0,06 (mg/L)
	aqua (intermittent releases)	1,5 (mg/L)
	PNEC STP	27,5 (mg/L)
	sediment (freshwater)	8,27 (mg/kg sediment dw)
	sediment (marine water)	0,83 (mg/kg sediment dw)
	soil	1,3 (mg/kg soil dw)
toluene CAS No: 108-88-3 EC No: 203-625-9	aqua (freshwater)	0,68 (mg/L)
	aqua (marine water)	0,68 (mg/L)
	aqua (intermittent releases)	0,68 (mg/L)
	PNEC STP	13,61 (mg/L)
	sediment (freshwater)	16,39 (mg/kg sediment dw)
	sediment (marine water)	16,39 (mg/kg sediment dw)
2-methylpropan-1-ol, iso-butanol CAS No: 78-83-1 EC No: 201-148-0	aqua (freshwater)	0,4 (mg/L)
	aqua (marine water)	0,04 (mg/L)
	aqua (intermittent releases)	11 (mg/L)
	STP	10 (mg/L)
	sediment (freshwater)	1,52 (mg/kg sediment dw)
	sediment (marine water)	0,152 (mg/kg sediment dw)
	soil	0,0699 (mg/kg soil dw)
N,N-dimethylformamide, dimethyl formamide CAS No: 68-12-2 EC No: 200-679-5	aqua (freshwater)	30 (mg/L)
	aqua (marine water)	3 (mg/L)
	aqua (intermittent releases)	30 (mg/L)
	PNEC STP	123 (mg/L)
	sediment (freshwater)	115,18 (mg/kg sediment dw)
	sediment (marine water)	11,52 (mg/kg sediment dw)
	soil	56,97 (mg/kg soil dw)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %
Uses:	Solvent-based colors for airbrush painting
Breathing protection:	
If the recommended technical measures are observed, no individual protection equipment is necessary.	

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Hand protection:			
PPE:	Work gloves.		
Characteristics:	«CE» marking, category I.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.		
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
Eye protection:			
PPE:	Protective goggles with built-in frame.		
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against splashing liquid, dust, smoke, fog and vapour.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.		
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.		
Skin protection:			
PPE:	Anti-static protective clothing.		
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.		
CEN standards:	EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5		
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.		
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.		
PPE:	Anti-static safety footwear.		
Characteristics:	«CE» marking, category II.		
CEN standards:	EN ISO 13287, EN ISO 20344, EN ISO 20346		
Maintenance:	The footwear should be checked regularly		
Observations:	The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths.		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Liquid with characteristic odour and colour

Colour: N.A./N.A.

Odour: N.A./N.A.

Odour threshold: N.A./N.A.

pH: N.A./N.A.

Melting point: N.A./N.A.

Boiling Point: 106 °C

Flash point: 26 °C

Evaporation rate: N.A./N.A.

Inflammability (solid, gas): N.A./N.A.

Lower Explosive Limit: N.A./N.A.

Upper Explosive Limit: N.A./N.A.

Vapour pressure: 20,424

Vapour density: N.A./N.A.

Relative density: 0,971

Solubility: N.A./N.A.

Liposolubility: N.A./N.A.

Hydrosolubility: N.A./N.A.

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Partition coefficient (n-octanol/water): N.A./N.A.
Auto-ignition temperature: N.A./N.A.
Decomposition temperature: N.A./N.A.
Viscosity: N.A./N.A.
Explosive properties: N.A./N.A.
Oxidizing properties: N.A./N.A.
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

9.2 Other information.

Pour point: N.A./N.A.
Blink: N.A./N.A.
Kinematic viscosity: N.A./N.A.
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

If the storage conditions are satisfied, does not produce dangerous reactions.

10.2 Chemical stability.

Unstable in contact with:

- Acids.
- Bases.
- Oxidizing agents.

10.3 Possibility of hazardous reactions.

Flammable liquid and vapour.
In certain conditions this may cause a polymerization reaction.

10.4 Conditions to avoid.

Avoid the following conditions:

- Heating.
- High temperature.
- Static discharge.
- Contact with incompatible materials.
- Avoid temperatures near or above the flash point. Do not heat closed containers. Avoid direct sunlight and heat, as these may cause a risk of fire.

10.5 Incompatible materials.

Avoid the following materials:

- Acids.
- Bases.
- Oxidizing agents.
- Explosives materials.
- Toxic materials.
- Oxidizing materials.

10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

- COx (carbon oxides).
- Organic compounds.

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

SECTION 11: TOXICOLOGICAL INFORMATION.

2-butoxyethanol and its acetate are easily absorbed by the skin and can cause noxious effects to the kidneys.

IRRITANT PREPARATION. The inhalation of spray mist or suspended particulates can irritate the respiratory tract. It can also cause serious respiratory difficulties, central nervous system disorders, and in extreme cases, unconsciousness.

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IRRITANT PREPARATION. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
n-butyl acetate CAS No: 123-86-4 EC No: 204-658-1	Oral	LD50	Rat	10800 mg/kg bw [1] [1] Acute Toxicity Data. Journal of the American College of Toxicology, Part B. Vol. 1, Pg. 196, 1992
	Dermal	LD50	Rabbit	>17600 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 7, 1974
	Inhalation	LC50	Rat	1.85 mg/l/4 h [1] [1] Inhalation Toxicology. Vol. 9, Pg. 623, 1997
xylene (Mixture of isomers) CAS No: 1330-20-7 EC No: 215-535-7	Oral	LD50	Rat	4300 mg/kg bw [1] [1] AMA Archives of Industrial Health. Vol. 14, Pg. 387, 1956
	Dermal	LD50	Rabbit	> 1700 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 123, 1974
	Inhalation	LC50	Rat	21,7 mg/l/4 h [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 123, 1974
n-butanol, butan-1-ol CAS No: 71-36-3 EC No: 200-751-6	Oral	LD50	Rat	4360 mg/kg bw [1] [1] Union Carbide Corp. Bushy Run Research Center, Project Report No.14-73. Export, PA. 1951.
	Dermal	LD50	Rabbit	3402 mg/kg bw [1] [1] Union Carbide Corp. Bushy Run Research Center, Project Report No.14-73. Export, PA. 1951.
	Inhalation	LC50	Rat	7500 ppm (8 h) [1] [1] Union Carbide Corp. Bushy Run Research Center, Project Report No.14-73. Export, PA. 1951.
butanone, ethyl methyl ketone CAS No: 78-93-3 EC No: 201-159-0	Oral	LD50	Rat	2740 mg/kg bw [1] [1] Toxicology and Applied Pharmacology. Vol. 19, Pg. 699, 1971
	Dermal	LD50	Rabbit	6480 mg/kg bw [1] [1] Shell Chemical Company. Vol. MSDS-5390-4
	Inhalation			
ethylbenzene	Oral	LD50	Rat	3500 mg/kg bw [1] [1] AMA Archives of Industrial Health. Vol. 14, Pg. 387, 1956
	Dermal	LD50	Rabbit	15400 mg/kg bw [1] [1] Food and Cosmetics Toxicology. Vol. 13, Pg. 803, 1975
	Inhalation			

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CAS No: 100-41-4	EC No: 202-849-4		
4-methylpentan-2-one, isobutyl methyl ketone	Oral	LD50 Rat 2080 mg/kg bw [1] [1] Union Carbide Data Sheet. Vol. 4/25/1958	
	Dermal	LD0 Rat >=2000 mg/kg bw [1] [1] OECD Guideline 402 (Acute Dermal Toxicity) 1987, experimental result, 1996.	
	Inhalation	LC50 Rat >2000 <4000 ppm (4 h) [1] [1] RANGE-FINDING TOXICITY DATA: LIST IV, Smyth HF, Carpenter CP & Weil CS, 1951.	
CAS No: 108-10-1	EC No: 203-550-1		
2-methylpropan-1-ol, iso-butanol	Oral	LD50 Rat 2830 mg/kg bw [1] [1] Christopher, S.M. November 30, 1993. "Isobutanol: Acute toxicity and irritancy testing using the rat (peroral and inhalation toxicity) and the rabbit (cutaneous and ocular tests)". Bushy Run Research Center, Union Carbide Corp. Lab. Proj. ID 92U1166	
	Dermal	LD50 Rabbit 4240 mg/kg bw [1] [1] Smyth H.F. Jr. et al.: AMA Arch. Ind. Hyg. Occup. Med., 10, 61-68, (1954) as cited in IUCLID.	
	Inhalation		
CAS No: 78-83-1	EC No: 201-148-0		
N,N-dimethylformamide, dimethyl formamide	Oral	LD50 Mouse 3700 mg/kg bw [1] [1] BUA-Stoffdossier, N,N-Dimethylformamid, Stand 04/91	
	Dermal	LD50 rabbit 1500 mg/kg bw [1] [1] IPCS, dimethylformamide, final draft, 04/1990. [cited in: BUA-Stoffdossier, N,N-Dimethylformamid, Stand 04/91	
	Inhalation	LC50 rat 5.9 mg/L air (4 h) [1] [1] BASF AG, department of toxicology, unpublished data, (78/652), 19.07.1979	
CAS No: 68-12-2	EC No: 200-679-5		

a) acute toxicity;
Not conclusive data for classification.

Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Dermal) = 13.935 mg/kg

ATE (Oral) = 7.130 mg/kg

b) skin corrosion/irritation;
Product classified:
Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation;
Product classified:
Serious eye damage, Category 1: Causes serious eye damage.

d) respiratory or skin sensitisation;
Based on available data, the classification criteria are not met.

e) germ cell mutagenicity;
Not conclusive data for classification.

f) carcinogenicity;
Not conclusive data for classification.

g) reproductive toxicity;

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Based on available data, the classification criteria are not met.

h) STOT-single exposure;

Product classified:

Specific target organ toxicity following a single exposure, Category 3:

i) STOT-repeated exposure;

Based on available data, the classification criteria are not met.

j) aspiration hazard;

Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
n-butyl acetate CAS No: 123-86-4 EC No: 204-658-1	Fish	LC50	Fish	81 mg/l (96 h) [1] [1] Wellens, H. 1982. Comparison of the Sensitivity of Brachydanio rerio and Leuciscus idus by Testing the Fish Toxicity of Chemicals and Wastewaters. Z.Wasser-Abwasser-Forsch. 51(2):49-52 (GER) (ENG ABS). Dawson, G.W., A.L. Jennings, D. Drozdowski, and E. Rider 1977. The Acute Toxicity of 47 Industrial Chemicals to Fresh and Saltwater Fishes. J.Hazard.Mater. 1(4):303-318 (OECDG Data File)
	Aquatic invertebrates	EC50	Daphnia sp.	44 mg/l (48 h) [1] [1] publication, 1959
	Aquatic plants	EC50	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)	674.7 mg/l (72 h) [1] [1] Method: other: algae growth inhibition test, according to Umweltbundesamt (German Federal Environment Agency) (proposal/draft, version February 1984)
xylene (Mixture of isomers) CAS No: 1330-20-7 EC No: 215-535-7	Fish	LC50	Fish	15,7 mg/l (96 h) [1] [1] Bailey, H.C., D.H.W. Liu, and H.A. Javitz 1985. Time/Toxicity Relationships in Short-Term Static, Dynamic, and Plug-Flow Bioassays. In: R.C.Bahner and D.J.Hansen (Eds.), Aquatic Toxicology and Hazard Assessment, 8th Symposium, ASTM STP 891, Philadelphia, PA :193-212
	Aquatic invertebrates	LC50	Crustacean	8,5 mg/l (48 h) [1] [1] Tatem, H.E., B.A. Cox, and J.W. Anderson 1978. The Toxicity of Oils and Petroleum Hydrocarbons to Estuarine Crustaceans. Estuar.Coast.Mar.Sci. 6(4):365-373. Tatem, H.E. 1975. The Toxicity and Physiological Effects of Oil and Petroleum Hydrocarbons on Estuarine Grass Shrimp Palaemonetes pugio (Holthuis). Ph.D.Thesis, Texas A&M University, College Station, TX :133 p
	Aquatic plants			

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n-butanol, butan-1-ol CAS No: 71-36-3 EC No: 200-751-6	Fish	LC50 Pimephales promelas 1376 mg/L (96 h) [1] [1] Wong, D.C.L, P.B. Dorn, and J.P. Salanitro. 1998. Aquatic Toxicity of Four Oxy-Solvents. Equilon Enterprises, LLC Technical Information Record WTC-3520.
	Aquatic invertebrates	EC50 Daphnia magna 1328 mg/L (48 h) [1] [1] Wong, D.C.L, P.B. Dorn, and J.P. Salanitro. 1998. Aquatic Toxicity of Four Oxy-Solvents. Equilon Enterprises, LLC Technical Information Record WTC-3520.
	Aquatic plants	EC90 Selastrum capricornutum (Pseudokirchnerella subcapitata) 717 mg/L (96 h) [1] [1] Wong, D.C.L, P.B. Dorn, and J.P. Salanitro. 1998. Aquatic Toxicity of Four Oxy-Solvents. Equilon Enterprises, LLC Technical Information Record WTC-3520.
butanone, ethyl methyl ketone CAS No: 78-93-3 EC No: 201-159-0	Fish	LC50 Pimephales promelas 2993 mg/l (96 h) [1] [1] Experimental result, 1998.
	Aquatic invertebrates	LC50 Daphnia magna 8890 mg/l (24 h) [1] [1] Experimental result, 1977.
	Aquatic plants	EC50 Pseudokirchnerella subcapitata 2029 mg/l (96 h) [1] [1] OECD Guideline 201 (Alga, Growth Inhibition Test) reliability based in 2006 guideline.
ethylbenzene CAS No: 100-41-4 EC No: 202-849-4	Fish	LC50 Fish 80 mg/l (96 h) [1] [1] Mayer, F.L.Jr., and M.R. Ellersieck 1986. Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals. Resour. Publ. No. 160, U.S. Dep. Interior, Fish Wildl. Serv., Washington, DC :505 p. (USGS Data File)
	Aquatic invertebrates	LC50 Crustacean 16,2 mg/l (48 h) [1] [1] MacLean, M.M., and K.G. Doe 1989. The Comparative Toxicity of Crude and Refined Oils to Daphnia magna and Artemia. Environment Canada, EE-111, Dartmouth, Nova Scotia :64 p
	Aquatic plants	EC50 Algae 5 mg/l (72 h) [1] [1] Galassi, S., M. Mingazzini, L. Vigano, D. Cesareo, and M.L. Tosato 1988. Approaches to Modeling Toxic Responses of Aquatic Organisms to Aromatic Hydrocarbons. Ecotoxicol. Environ. Saf. 16(2):158-169. Masten, L.W., R.L. Boeri, and J.D. Walker 1994. Strategies Employed to Determine the Acute Aquatic Toxicity of Ethyl Benzene, a Highly Volatile, Poorly Water-Soluble Chemical. Ecotoxicol. Environ. Saf. 27(3):335-348
4-methylpentan-2-one, isobutyl methyl ketone	Fish	LC50 Danio rerio >179 mg/l (96 h) [1] [1] Experimental result, April 29 to May 03, 2010.
	Aquatic invertebrates	EC50 Daphnia magna 1550 mg/l (24 h) [1] [1] OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

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CAS No: 108-10-1	EC No: 203-550-1	Aquatic plants	EC50 Lemna gibba >146 mg/l (7 d) [1] [1] Study report, 2010. OECD Guideline 221 (Lemna sp. Growth Inhibition test)
toluene		Fish	LC50 Fish 31,7 mg/l (96 h) [1] [1] Geiger, D.L., L.T. Brooke, and D.J. Call 1990. Acute Toxicities of Organic Chemicals to Fathead Minnows (Pimephales promelas), Volume 5. Ctr.for Lake Superior Environ.Stud., Univ.of Wisconsin-Superior, Superior, WI :332 p
		Aquatic invertebrates	LC50 Crustacean 92 mg/l (48 h) [1] [1] MacLean, M.M., and K.G. Doe 1989. The Comparative Toxicity of Crude and Refined Oils to Daphnia magna and Artemia. Environment Canada, EE-111, Dartmouth, Nova Scotia :64 p
		Aquatic plants	EC50 Algae 12,5 mg/l (72 h) [1] [1] Galassi, S., M. Mingazzini, L. Vigano, D. Cesareo, and M.L.Tosato 1988. Approaches to Modeling Toxic Responses of Aquatic Organisms to Aromatic Hydrocarbons. Ecotoxicol.Environ.Saf. 16(2):158-169
2-methylpropan-1-ol,iso-butanol		Fish	EC50 Pimephales promelas 1430 mg/L (96 h h) [1] [1] Brooke, L.T. et al., 1984. Acute Toxicities of Organic Chemicals to Fathead Minnows (Pimephales promelas). Vol. I. Center for Lake Superior Environmental Studies. University of Wisconsin-Superior.
		Aquatic invertebrates	EC50 Daphnia magna 1300 mg/L (48 h) [1] [1] Elnabarawy MT, Welter AN, Robideau RR. 1986. relative sensitivity of three daphnid species to selected organic and inorganic chemicals. Environ Toxicol Chem 5: 393-398.
		Aquatic plants	EC90 Selenastrum capricornutum (Pseudokirchnerella subcapitata) 717 mg/L (96 h) [1] [1] Wong, D.C.L, P.B. Dorn, and J.P. Salanitro. 1998. Aquatic Toxicity of Four Oxy-Solvents. Equilon Enterprises, LLC Technical Information Record WTC-3520.
N,N-dimethylformamide,dimethyl formamide		Fish	LC50 Lepomis macrochirus 7100 mg/L (96 h) [1] [1] Poirier, S.H. et al.: Bull. Environ. Contam. Toxicol. 37, 615-621 (1986)
		Aquatic invertebrates	LC50 Aquatic arthropod 14530 mg/L (48 h) [1] [1] Call,D.J. et al., PB83-263665, (1983)
		Aquatic plants	EC50 Scenedesmus subspicatus (Desmodesmus subspicatus) 1000 mg/L (96 h) [1] [1] BASF AG, department of ecology, unpublished data 1019/88, 05.12.1988

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12.2 Persistence and degradability.

There is no information available on the degradability of the substances present.
No information is available regarding the degradability of the substances present. No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
n-butyl acetate N. CAS: 123-86-4 EC No: 204-658-1	1,78	-	-	Very low
n-butanol, butan-1-ol N. CAS: 71-36-3 EC No: 200-751-6	0,84	-	-	Very low
butanone, ethyl methyl ketone N. CAS: 78-93-3 EC No: 201-159-0	0,29	-	-	Very low
ethylbenzene N. CAS: 100-41-4 EC No: 202-849-4	3,15	-	-	Moderate
4-methylpentan-2-one, isobutyl methyl ketone N. CAS: 108-10-1 EC No: 203-550-1	1,31	-	-	Very low
toluene N. CAS: 108-88-3 EC No: 203-625-9	2,73	-	-	Low
2-methylpropan-1-ol, iso-butanol N. CAS: 78-83-1 EC No: 201-148-0	0,76	-	-	Very low
N,N-dimethylformamide, dimethyl formamide N. CAS: 68-12-2 EC No: 200-679-5	-1,01	-	-	Very low

12.4 Mobility in soil.

No information is available about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13 DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

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Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.
Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading

Air: Transport by plane: ICAO/IATA.

Transport document: Airway bill.

14.1 UN number.

UN No: UN1263

14.2 UN proper shipping name.

Description:

ADR: UN 1263, PAINT, 3, PG III, (D/E)

IMDG: UN 1263, PAINT, 3, PG III

ICAO/IATA: UN 1263, PAINT, 3, PG III

14.3 Transport hazard class(es).

Class(es): 3

14.4 Packing group.

Packing group: III

14.5 Environmental hazards.

Marine pollutant: No

14.6 Special precautions for user.

Labels: 3



Hazard number: 30

ADR LQ: 5 L

IMDG LQ: 5 L

ICAO LQ: 10 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-E,S-E

Proceed in accordance with point 6.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code.

The product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION.

15.1 Safety, health and environmental regulations/legislation specific for the mixture.

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The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC)

Product Subcategory (Directive 2004/42/EC): Topcoat (All types)

Phase I* (from 01/01/2007): 420 g/l

Phase II* (from 01/01/2010): 420 g/l

(*) g/l ready to use

VOC content (p/p): 42,713 %

VOC content: 414,63 g/l

The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Kind of pollutant for the water (Germany): WGK 2: Hazardous for the water. (Autoclassified according to the AwSV Regulations)

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360D	May damage the unborn child.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.(órganos de audición)
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 4 : Acute toxicity (Dermal), Category 4

Acute Tox. 4 : Acute toxicity (Inhalation), Category 4

Acute Tox. 4 : Acute toxicity (Oral), Category 4

Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1

Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1

Aquatic Chronic 3 : Chronic effect to the aquatic environment, Category 3

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Asp. Tox. 1 : Aspiration toxicity, Category 1
Eye Dam. 1 : Serious eye damage, Category 1
Eye Irrit. 2 : Eye irritation, Category 2
Flam. Liq. 2 : Flammable liquid, Category 2
Flam. Liq. 3 : Flammable liquid, Category 3
Repr. 1B : Reproductive toxicant, Category 1B
Repr. 2 : Reproductive toxicant, Category 2
STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3
Skin Irrit. 2 : Skin irritant, Category 2
Skin Sens. 1 : Skin sensitiser, Category 1

Sections changed compared with the previous version:

1,4,16

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
AwSV: Facility Regulations for handling substances that are hazardous for the water.
BCF: Bioconcentration factor.
CEN: European Committee for Standardization.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
IMDG: International Maritime Code for Dangerous Goods.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
Log Pow: Logarithm of the partition octanol-water.
NOEC: No observed effect concentration.
PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.
WGK: Water hazard classes.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.