

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

### 1.1. Product identifier

**Trade name or designation of the mixture** Dykem® Transparent Stain - Steel Blue (Bulk)

**Registration number** -

**Synonyms** None.

**Part Number** 80200, 80300, 80400, 80600, 80700

**Issue date** 26-March-2019

**Version number** 04

**Revision date** 21-December-2021

**Supersedes date** 21-December-2021

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

**Identified uses** Staining colors

**Uses advised against** None known.

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

**Company name** ITW Performance Polymers

**Address**  
 Bay 150  
 Shannon Industrial Estate  
 Shannon, CO. Clare  
 Ireland V14 DF82

**Telephone** 353 (61) 771 500

353 (61) 471 285

**In Case of Emergency** +44(0)1235 239 670 (24h)

**Email** mail@itwpp.com

#### Manufacturer

**Company name** ITW Pro Brands

**Address**  
 805 E. Old 56 Highway  
 Olathe, KS 66061

**Country** (U.S.A.)

**Telephone** +1 800-443-9536

**In Case of Emergency** +1 800-535-5053

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

#### Physical hazards

Flammable liquids	Category 2	H225 - Highly flammable liquid and vapour.
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#### Health hazards

Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
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Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
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#### Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.
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**Hazard summary** May be ignited by heat, sparks or flames. Causes serious eye damage. May cause drowsiness or dizziness. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

## 2.2. Label elements

### Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** Basic Violet 1, Butanol Normal, Butyl acetate, Cellulose Nitrate, Ethyl alcohol, Isopropanol, Malachite Green Oxalate, Propyl acetate

### Hazard pictograms



### Signal word

Danger

### Hazard statements

H225 Highly flammable liquid and vapour.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

#### Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P235 Keep cool.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P260 Do not breathe vapour.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

#### Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
P310 Immediately call a POISON CENTRE/doctor.  
P370 + P378 In case of fire: Use appropriate media to extinguish.

#### Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P235 Keep cool.  
P405 Store locked up.

#### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label information** EUH066 - Repeated exposure may cause skin dryness or cracking.

## 2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Ethyl alcohol	40 - 50	64-17-5 200-578-6	-	603-002-00-5	
<b>Classification:</b> Flam. Liq. 2;H225					
Butyl acetate	30 - 40	123-86-4 204-658-1	-	607-025-00-1	#
<b>Classification:</b> Flam. Liq. 3;H226, STOT SE 3;H336					
Butanol Normal	1 - 5	71-36-3 200-751-6	-	603-004-00-6	
<b>Classification:</b> Flam. Liq. 3;H226, Acute Tox. 4;H302;(ATE: 500 mg/kg), Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335;H336					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Cellulose Nitrate	1 - 5	9004-70-0	-	603-037-00-6	
<b>Classification:</b> -					T
Isopropanol	1 - 5	67-63-0 200-661-7	01-2119457558-25-XXXX	603-117-00-0	
<b>Classification:</b> Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336					
Propyl acetate	1 - 5	109-60-4 203-686-1	-	607-024-00-6	
<b>Classification:</b> Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336					C
Basic Violet 1	0,1 - 1	8004-87-3 281-506-0	-	-	
<b>Classification:</b> Acute Tox. 4;H302;(ATE: 500 mg/kg), Skin Irrit. 2;H315, Eye Irrit. 2;H319, Carc. 2;H351, Aquatic Chronic 1;H410(M=10)					
Malachite Green Oxalate	0,1 - 1	2437-29-8 219-441-7	-	602-096-00-5	
<b>Classification:</b> Acute Tox. 4;H302;(ATE: 500 mg/kg), Eye Dam. 1;H318, Aquatic Acute 1;H400, Aquatic Chronic 1;H410					

#### List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note N: The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.

## SECTION 4: First aid measures

**General information** Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 4.1. Description of first aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.

**Skin contact** Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed** May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing.

**4.3. Indication of any immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

**General fire hazards** Highly flammable liquid and vapour.

### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special fire fighting procedures**

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

**Specific methods**

Use standard firefighting procedures and consider the hazards of other involved materials.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**For emergency responders**

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Avoid breathing mist/vapours. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

**6.4. Reference to other sections**

For personal protection, see section 8 of the SDS. For waste disposal, see section 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe vapour. Do not get this material in contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

**7.2. Conditions for safe storage, including any incompatibilities**

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

**7.3. Specific end use(s)**

Not available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits****Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	MAK	150 mg/m <sup>3</sup>
		50 ppm
	STEL	600 mg/m <sup>3</sup>
Butyl acetate (CAS 123-86-4)	Ceiling	200 ppm
		480 mg/m <sup>3</sup>
	MAK	100 ppm
Ethyl alcohol (CAS 64-17-5)		241 mg/m <sup>3</sup>
		100 ppm
	Ceiling	3800 mg/m <sup>3</sup>
	2000 ppm	
	MAK	1900 mg/m <sup>3</sup>

**Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001**

Components	Type	Value
Isopropanol (CAS 67-63-0)	MAK	1000 ppm 500 mg/m <sup>3</sup>
	STEL	200 ppm 2000 mg/m <sup>3</sup>
Propyl acetate (CAS 109-60-4)	Ceiling	800 ppm 420 mg/m <sup>3</sup>
	MAK	100 ppm 420 mg/m <sup>3</sup> 100 ppm

**Belgium. Exposure Limit Values Components**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	TWA	62 mg/m <sup>3</sup> 20 ppm
	STEL	712 mg/m <sup>3</sup>
Butyl acetate (CAS 123-86-4)	TWA	150 ppm 238 mg/m <sup>3</sup> 50 ppm
	TWA	1907 mg/m <sup>3</sup> 1000 ppm
Isopropanol (CAS 67-63-0)	STEL	1000 mg/m <sup>3</sup> 400 ppm
	TWA	500 mg/m <sup>3</sup> 200 ppm
Propyl acetate (CAS 109-60-4)	STEL	1055 mg/m <sup>3</sup> 250 ppm
	TWA	847 mg/m <sup>3</sup> 200 ppm

**Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work Components**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	150 mg/m <sup>3</sup>
	TWA	100 mg/m <sup>3</sup>
Butyl acetate (CAS 123-86-4)	STEL	950 mg/m <sup>3</sup>
	TWA	710 mg/m <sup>3</sup>
Ethyl alcohol (CAS 64-17-5)	TWA	1000 mg/m <sup>3</sup>
Isopropanol (CAS 67-63-0)	STEL	1225 mg/m <sup>3</sup>
	TWA	980 mg/m <sup>3</sup>

**Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Components**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	154 mg/m <sup>3</sup> 50 ppm
	MAC	241 mg/m <sup>3</sup> 50 ppm
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m <sup>3</sup>

**Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Components**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	MAC	150 ppm
		1900 mg/m3
Isopropanol (CAS 67-63-0)	MAC	1000 ppm
		999 mg/m3
	STEL	400 ppm
		1250 mg/m3
Propyl acetate (CAS 109-60-4)	MAC	500 ppm
		849 mg/m3
	STEL	200 ppm
		1060 mg/m3
		250 ppm

**Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended. Components**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	TWA	150 mg/m3
		50 ppm
Butyl acetate (CAS 123-86-4)	TWA	710 mg/m3
		150 ppm
Isopropanol (CAS 67-63-0)	TWA	980 mg/m3
		400 ppm
		840 mg/m3
Propyl acetate (CAS 109-60-4)	TWA	200 ppm

**Czech Republic. OELs. Government Decree 361 Components**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	Ceiling	600 mg/m3
	TWA	300 mg/m3
Butyl acetate (CAS 123-86-4)	Ceiling	1200 mg/m3
	TWA	950 mg/m3
Ethyl alcohol (CAS 64-17-5)	Ceiling	3000 mg/m3
	TWA	1000 mg/m3
Isopropanol (CAS 67-63-0)	Ceiling	1000 mg/m3
	TWA	500 mg/m3
Propyl acetate (CAS 109-60-4)	Ceiling	1000 mg/m3
	TWA	800 mg/m3

**Denmark. Exposure Limit Values Components**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	Ceiling	150 mg/m3
		50 ppm
Butyl acetate (CAS 123-86-4)	TLV	710 mg/m3
		150 ppm
Ethyl alcohol (CAS 64-17-5)	TLV	1900 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	TLV	490 mg/m3
		200 ppm



**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Butyl acetate (CAS 123-86-4)	VLE	940 mg/m3
<b>Regulatory status:</b> Indicative limit (VL)		200 ppm
<b>Regulatory status:</b> Indicative limit (VL)	VME	710 mg/m3
<b>Regulatory status:</b> Indicative limit (VL)		150 ppm
<b>Regulatory status:</b> Indicative limit (VL)		
Ethyl alcohol (CAS 64-17-5)	VLE	9500 mg/m3
<b>Regulatory status:</b> Indicative limit (VL)		5000 ppm
<b>Regulatory status:</b> Indicative limit (VL)	VME	1900 mg/m3
<b>Regulatory status:</b> Indicative limit (VL)		1000 ppm
<b>Regulatory status:</b> Indicative limit (VL)		
Isopropanol (CAS 67-63-0)	VLE	980 mg/m3
<b>Regulatory status:</b> Indicative limit (VL)		400 ppm
<b>Regulatory status:</b> Indicative limit (VL)		
Propyl acetate (CAS 109-60-4)	VME	840 mg/m3
<b>Regulatory status:</b> Indicative limit (VL)		200 ppm
<b>Regulatory status:</b> Indicative limit (VL)		

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Butanol Normal (CAS 71-36-3)	TWA	310 mg/m3
		100 ppm
Butyl acetate (CAS 123-86-4)	TWA	480 mg/m3
		100 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	380 mg/m3
		200 ppm
Isopropanol (CAS 67-63-0)	TWA	500 mg/m3
		200 ppm
Propyl acetate (CAS 109-60-4)	TWA	420 mg/m3
		100 ppm

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Butanol Normal (CAS 71-36-3)	AGW	310 mg/m3
		100 ppm
Butyl acetate (CAS 123-86-4)	AGW	300 mg/m3
		62 ppm
Ethyl alcohol (CAS 64-17-5)	AGW	380 mg/m3
		200 ppm
Isopropanol (CAS 67-63-0)	AGW	500 mg/m3



**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

Components	Type	Value
		200 ppm
<b>Greece. OELs (Decree No. 90/1999, as amended)</b>		
Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	300 mg/m <sup>3</sup>
	TWA	100 ppm 300 mg/m <sup>3</sup>
Butyl acetate (CAS 123-86-4)	STEL	100 ppm 950 mg/m <sup>3</sup>
	TWA	200 ppm 710 mg/m <sup>3</sup>
Ethyl alcohol (CAS 64-17-5)	TWA	150 ppm 1900 mg/m <sup>3</sup>
		1000 ppm
Isopropanol (CAS 67-63-0)	STEL	1225 mg/m <sup>3</sup>
	TWA	500 ppm 980 mg/m <sup>3</sup>
Propyl acetate (CAS 109-60-4)	STEL	400 ppm 1050 mg/m <sup>3</sup>
	TWA	250 ppm 840 mg/m <sup>3</sup>
		200 ppm

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	90 mg/m <sup>3</sup>
	TWA	45 mg/m <sup>3</sup>
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m <sup>3</sup>
	TWA	241 mg/m <sup>3</sup>
Ethyl alcohol (CAS 64-17-5)	STEL	3800 mg/m <sup>3</sup>
	TWA	1900 mg/m <sup>3</sup>
Isopropanol (CAS 67-63-0)	STEL	1000 mg/m <sup>3</sup>
	TWA	500 mg/m <sup>3</sup>
Propyl acetate (CAS 109-60-4)	STEL	840 mg/m <sup>3</sup>
	TWA	420 mg/m <sup>3</sup>

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	150 mg/m <sup>3</sup>
	TWA	50 ppm 80 mg/m <sup>3</sup>
Butyl acetate (CAS 123-86-4)	TWA	25 ppm 700 mg/m <sup>3</sup>
		150 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup>
		1000 ppm
Isopropanol (CAS 67-63-0)	TWA	490 mg/m <sup>3</sup>

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value
Propyl acetate (CAS 109-60-4)	TWA	200 ppm
		625 mg/m3
		150 ppm

**Ireland. Occupational Exposure Limits**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	TWA	20 ppm
Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
		200 ppm
		710 mg/m3
Ethyl alcohol (CAS 64-17-5)	TWA	150 ppm
		1000 ppm
		400 ppm
Isopropanol (CAS 67-63-0)	STEL	400 ppm
		200 ppm
		150 ppm
Propyl acetate (CAS 109-60-4)	STEL	150 ppm
	TWA	100 ppm

**Italy. Occupational Exposure Limits**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	TWA	20 ppm
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m3
		150 ppm
		241 mg/m3
Ethyl alcohol (CAS 64-17-5)	TWA	50 ppm
		1000 ppm
		400 ppm
Isopropanol (CAS 67-63-0)	STEL	400 ppm
		200 ppm
		150 ppm
Propyl acetate (CAS 109-60-4)	STEL	150 ppm
	TWA	100 ppm

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	TWA	10 mg/m3
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m3
		150 ppm
		241 mg/m3
Ethyl alcohol (CAS 64-17-5)	TWA	50 ppm
		1000 mg/m3
		600 mg/m3
Isopropanol (CAS 67-63-0)	STEL	600 mg/m3
		350 mg/m3
		200 mg/m3
Propyl acetate (CAS 109-60-4)	TWA	200 mg/m3

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	Ceiling	90 mg/m3
		30 ppm

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

Components	Type	Value
Butyl acetate (CAS 123-86-4)	TWA	45 mg/m <sup>3</sup> 15 ppm
	STEL	723 mg/m <sup>3</sup> 150 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	241 mg/m <sup>3</sup> 50 ppm
	STEL	1900 mg/m <sup>3</sup> 1000 ppm
Isopropanol (CAS 67-63-0)	TWA	1000 mg/m <sup>3</sup> 500 ppm
	STEL	600 mg/m <sup>3</sup> 250 ppm
Propyl acetate (CAS 109-60-4)	TWA	350 mg/m <sup>3</sup> 150 ppm
	STEL	800 mg/m <sup>3</sup> 200 ppm
	TWA	420 mg/m <sup>3</sup> 100 ppm

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A**

Components	Type	Value
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m <sup>3</sup> 150 ppm

**Netherlands. OELs (binding)**

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	1900 mg/m <sup>3</sup>
	TWA	260 mg/m <sup>3</sup>

**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	Ceiling	75 mg/m <sup>3</sup> 25 ppm
	TLV	950 mg/m <sup>3</sup> 500 ppm
Isopropanol (CAS 67-63-0)	TLV	245 mg/m <sup>3</sup> 100 ppm
	TLV	420 mg/m <sup>3</sup> 100 ppm

**Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	150 mg/m <sup>3</sup> 0 ppm
	TWA	50 mg/m <sup>3</sup> 0 ppm
Butyl acetate (CAS 123-86-4)	STEL	720 mg/m <sup>3</sup> 0 ppm

**Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817**

<b>Components</b>	<b>Type</b>	<b>Value</b>
	TWA	240 mg/m <sup>3</sup>
		0 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup>
		0 ppm
Isopropanol (CAS 67-63-0)	STEL	1200 mg/m <sup>3</sup>
		0 ppm
	TWA	900 mg/m <sup>3</sup>
		0 ppm
Propyl acetate (CAS 109-60-4)	STEL	400 mg/m <sup>3</sup>
		0 ppm
	TWA	200 mg/m <sup>3</sup>
		0 ppm

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m <sup>3</sup>
		150 ppm
	TWA	241 mg/m <sup>3</sup>
		50 ppm

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Butanol Normal (CAS 71-36-3)	TWA	20 ppm
Butyl acetate (CAS 123-86-4)	STEL	200 ppm
	TWA	150 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1000 ppm
Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Propyl acetate (CAS 109-60-4)	STEL	250 ppm
	TWA	200 ppm

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Butanol Normal (CAS 71-36-3)	STEL	200 mg/m <sup>3</sup>
		66 ppm
	TWA	100 mg/m <sup>3</sup>
		33 ppm
Butyl acetate (CAS 123-86-4)	STEL	950 mg/m <sup>3</sup>
		200 ppm
	TWA	715 mg/m <sup>3</sup>
		150 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	9500 mg/m <sup>3</sup>
		5000 ppm
	TWA	1900 mg/m <sup>3</sup>
		1000 ppm
Isopropanol (CAS 67-63-0)	STEL	500 mg/m <sup>3</sup>
		203 ppm

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value
Propyl acetate (CAS 109-60-4)	TWA	200 mg/m <sup>3</sup>
		81 ppm
	STEL	600 mg/m <sup>3</sup>
		144 ppm
TWA	400 mg/m <sup>3</sup>	
	96 ppm	

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	TWA	310 mg/m <sup>3</sup>
		100 ppm
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m <sup>3</sup>
		150 ppm
	TWA	241 mg/m <sup>3</sup>
		50 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	1920 mg/m <sup>3</sup>
		1000 ppm
	TWA	960 mg/m <sup>3</sup>
		500 ppm
Isopropanol (CAS 67-63-0)	STEL	1000 mg/m <sup>3</sup>
		400 ppm
	TWA	500 mg/m <sup>3</sup>
		200 ppm
Propyl acetate (CAS 109-60-4)	STEL	800 mg/m <sup>3</sup>
		200 ppm
	TWA	400 mg/m <sup>3</sup>
		100 ppm

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	TWA	310 mg/m <sup>3</sup>
		100 ppm
Butyl acetate (CAS 123-86-4)	TWA	300 mg/m <sup>3</sup>
		62 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	960 mg/m <sup>3</sup>
		500 ppm
Isopropanol (CAS 67-63-0)	TWA	500 mg/m <sup>3</sup>
		200 ppm

**Spain. Occupational Exposure Limits**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	154 mg/m <sup>3</sup>
		50 ppm
	TWA	61 mg/m <sup>3</sup>
		20 ppm
Butyl acetate (CAS 123-86-4)	STEL	965 mg/m <sup>3</sup>

**Spain. Occupational Exposure Limits Components**

Components	Type	Value
		200 ppm
	TWA	724 mg/m3
		150 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	1910 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	STEL	1000 mg/m3
		400 ppm
	TWA	500 mg/m3
		200 ppm
Propyl acetate (CAS 109-60-4)	STEL	1060 mg/m3
		250 ppm
	TWA	849 mg/m3
		200 ppm

**Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7) Components**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	Ceiling	90 mg/m3
		30 ppm
	TWA	45 mg/m3
		15 ppm
Butyl acetate (CAS 123-86-4)	STEL	700 mg/m3
		150 ppm
	TWA	500 mg/m3
		100 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	1900 mg/m3
		1000 ppm
	TWA	1000 mg/m3
		500 ppm
Isopropanol (CAS 67-63-0)	STEL	600 mg/m3
		250 ppm
	TWA	350 mg/m3
		150 ppm

**Switzerland. SUVA Grenzwerte am Arbeitsplatz Components**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	310 mg/m3
		100 ppm
	TWA	310 mg/m3
		100 ppm
Butyl acetate (CAS 123-86-4)	STEL	720 mg/m3
		150 ppm
	TWA	240 mg/m3
		50 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	1920 mg/m3
		1000 ppm
	TWA	960 mg/m3
		500 ppm
Isopropanol (CAS 67-63-0)	STEL	1000 mg/m3

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value
Propyl acetate (CAS 109-60-4)	TWA	400 ppm
		500 mg/m3
	STEL	200 ppm
		840 mg/m3
	TWA	200 ppm
		420 mg/m3
		100 ppm

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	154 mg/m3
		50 ppm
Butyl acetate (CAS 123-86-4)	STEL	966 mg/m3
		200 ppm
	TWA	724 mg/m3
Ethyl alcohol (CAS 64-17-5)	TWA	150 ppm
		1920 mg/m3
	1000 ppm	
Isopropanol (CAS 67-63-0)	STEL	1250 mg/m3
		500 ppm
	TWA	999 mg/m3
		400 ppm
Propyl acetate (CAS 109-60-4)	STEL	1060 mg/m3
		250 ppm
	TWA	849 mg/m3
		200 ppm

**EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU**

Components	Type	Value
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m3
		150 ppm
	TWA	241 mg/m3
		50 ppm

**Biological limit values**
**Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended)**

Components	Value	Determinant	Specimen	Sampling Time
Isopropanol (CAS 67-63-0)	50 mg/l	Acetone	Urine	*
	50 mg/l	Acetone	Blood	*
	0,86 umol/l	Acetone	Urine	*
	0,86 umol/l	Acetone	Blood	*

\* - For sampling details, please see the source document.

**Germany. TRGS 903, BAT List (Biological Limit Values)**

Components	Value	Determinant	Specimen	Sampling Time
Butanol Normal (CAS 71-36-3)	2 mg/g	1-Butanol (nach Hydrolyse)	Creatinine in urine	*
	10 mg/g	1-Butanol (nach Hydrolyse)	Creatinine in urine	*

**Germany. TRGS 903, BAT List (Biological Limit Values)**

Components	Value	Determinant	Specimen	Sampling Time
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Isopropanol (CAS 67-63-0)	25 mg/l	ACETON	Urine	*
	25 mg/l	ACETON	Blood	*

\* - For sampling details, please see the source document.

**Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices**

Components	Value	Determinant	Specimen	Sampling Time
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Butanol Normal (CAS 71-36-3)	3 µmol/mmol	n-butyl alcohol (with hydrolysis)	Creatinine in urine	*
	15 µmol/mmol	n-butyl alcohol (with hydrolysis)	Creatinine in urine	*
	2 mg/g	n-butyl alcohol (with hydrolysis)	Creatinine in urine	*
	10 mg/g	n-butyl alcohol (with hydrolysis)	Creatinine in urine	*

Isopropanol (CAS 67-63-0)	25 µg/l	Acetone	Urine	*
	430 µmol/l	Acetone	Urine	*

\* - For sampling details, please see the source document.

**Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2**

Components	Value	Determinant	Specimen	Sampling Time
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Butanol Normal (CAS 71-36-3)	2 mg/g	N-Butyl Alcohol	Creatinine in urine	*
	10 mg/g	N-Butyl Alcohol	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4**

Components	Value	Determinant	Specimen	Sampling Time
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Isopropanol (CAS 67-63-0)	40 mg/l	Acetona	Urine	*
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\* - For sampling details, please see the source document.

**Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)**

Components	Value	Determinant	Specimen
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Butanol Normal (CAS 71-36-3)	2 mg/g	n-Butanol	Creatinine in urine
	10 mg/g	n-Butanol	Creatinine in urine
Isopropanol (CAS 67-63-0)	25 mg/l	ACETON	Urine
	25 mg/l	ACETON	Blood

\* - For sampling details, please see the source document.

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

**8.2. Exposure controls**

**Appropriate engineering controls** Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

**Individual protection measures, such as personal protective equipment**

**General information** Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.



<b>Eye/face protection</b>	Chemical respirator with organic vapour cartridge and full facepiece.
<b>Skin protection</b>	
<b>- Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>- Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	Chemical respirator with organic vapour cartridge and full facepiece.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Hygiene measures</b>	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
<b>Environmental exposure controls</b>	Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Blue.
<b>Odour</b>	Sweet. Solvent.
<b>Melting point/freezing point</b>	Not available.
<b>Boiling point or initial boiling point and boiling range</b>	76,67 - 125 °C (170 - 257 °F)
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	1,4 %
<b>Flammability limit - upper (%)</b>	19 %
<b>Flash point</b>	11,7 °C (53,0 °F)
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>pH</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Negligible
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	> 1 (air = 1)
<b>Relative density</b>	Not available.
<b>Particle characteristics</b>	Not available.
<b>Other safety characteristics</b>	
<b>Evaporation rate</b>	< 1 (BuAc = 1)
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.
<b>VOC</b>	93,24%, 790 g/L

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>10.5. Incompatible materials</b>	Strong oxidising agents. Alkali metals. Nitrates.
<b>10.6. Hazardous decomposition products</b>	Carbon oxides.

## SECTION 11: Toxicological information

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

### Information on likely routes of exposure

**Inhalation** May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Causes serious eye damage.

**Ingestion** May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

**Symptoms** May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing.

### 11.1. Information on toxicological effects

**Acute toxicity** Not expected to be acutely toxic.

Components	Species	Test Results
Butyl acetate (CAS 123-86-4)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	Rat	> 21 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	14000 mg/kg
Ethyl alcohol (CAS 64-17-5)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
<i>Vapour</i>		
LC50	Rat	51 mg/l, 6 Hours
Isopropanol (CAS 67-63-0)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	-	51 mg/l, 8 Hours
<b>Oral</b>		
LD50	Rat	4,7 g/kg
Propyl acetate (CAS 109-60-4)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	> 18000 mg/kg, 24 Hours
<b>Inhalation</b>		
<i>Vapour</i>		
LC50	Rat	32 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	8700 mg/kg
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.	
<b>Respiratory sensitisation</b>	Not a respiratory sensitizer.	
<b>Skin sensitisation</b>	This product is not expected to cause skin sensitisation.	
<b>Germ cell mutagenicity</b>	Chilean Spanish went out in Job 18-0024189, French and German were reviewed under 17-0023466 and Hindi under 17-0023485	
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
<b>ACGIH Carcinogens</b>		
Isopropanol (CAS 67-63-0)	Not classifiable as a human carcinogen. A4	
<b>Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)</b>		
Not listed.		
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	

**Specific target organ toxicity - single exposure** May cause drowsiness or dizziness.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Mixture versus substance information** No information available.

#### 11.2. Information on other hazards

**Endocrine disrupting properties** The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Other information** Not available.

## SECTION 12: Ecological information

**12.1. Toxicity** Harmful to aquatic life with long lasting effects. Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.

Components	Species	Test Results
Basic Violet 1 (CAS 8004-87-3)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 0,047 mg/l, 96 hours
Butanol Normal (CAS 71-36-3)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> ) 1897 - 2072 mg/l, 48 hours
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> ) 100 - 500 mg/l, 96 hours
Butyl acetate (CAS 123-86-4)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 17 - 19 mg/l, 96 hours
Ethyl alcohol (CAS 64-17-5)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> ) 7,7 - 11,2 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout ( <i>Oncorhynchus mykiss</i> ) 42 mg/l, 4 days
Isopropanol (CAS 67-63-0)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> ) > 1400 mg/l, 96 hours
Malachite Green Oxalate (CAS 2437-29-8)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Channel catfish ( <i>Ictalurus punctatus</i> ) 0,14 mg/l, 96 hours
Propyl acetate (CAS 109-60-4)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 56 - 64 mg/l, 96 hours
<b>12.2. Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.	
<b>12.3. Bioaccumulative potential</b>		
<b>Partition coefficient n-octanol/water (log Kow)</b>		
Butanol Normal	0,88	
Butyl acetate	1,78	
Ethyl alcohol	-0,31	
Isopropanol	0,05	
Propyl acetate	1,24	

<b>Bioconcentration factor (BCF)</b>	Not available.
<b>12.4. Mobility in soil</b>	Not established.
<b>12.5. Results of PBT and vPvB assessment</b>	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
<b>12.6. Endocrine disrupting properties</b>	The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
<b>12.7. Other adverse effects</b>	None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### ADR

<b>14.1. UN number</b>	UN1263
<b>14.2. UN proper shipping name</b>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa)
<b>14.3. Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>Hazard No. (ADR)</b>	33
<b>Tunnel restriction code</b>	D/E
<b>14.4. Packing group</b>	II
<b>14.5. Environmental hazards</b>	Yes
<b>14.6. Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

### RID

<b>14.1. UN number</b>	UN1263
<b>14.2. UN proper shipping name</b>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (vapour pressure at 50 °C not more than 110 kPa)
<b>14.3. Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>14.4. Packing group</b>	II
<b>14.5. Environmental hazards</b>	Yes
<b>14.6. Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

### ADN

<b>14.1. UN number</b>	UN1263
<b>14.2. UN proper shipping name</b>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)
<b>14.3. Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>14.4. Packing group</b>	II
<b>14.5. Environmental hazards</b>	Yes

**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**IATA**

**14.1. UN number** UN1263

**14.2. UN proper shipping name** Paint related material (including paint thinning or reducing compounds)

**14.3. Transport hazard class(es)**

**Class** 3

**Subsidiary risk** -

**14.4. Packing group** II

**14.5. Environmental hazards** Yes

**ERG Code** 3L

**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Other information**

**Passenger and cargo aircraft** Allowed with restrictions.

**Cargo aircraft only** Allowed with restrictions.

**IMDG**

**14.1. UN number** UN1263

**14.2. UN proper shipping name** PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound), MARINE POLLUTANT

**14.3. Transport hazard class(es)**

**Class** 3

**Subsidiary risk** -

**14.4. Packing group** II

**14.5. Environmental hazards**

**Marine pollutant** Yes

**EmS** F-E, S-E

**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

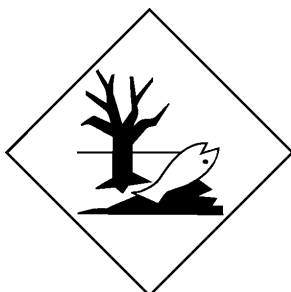
Basic Violet 1

**14.7. Maritime transport in bulk according to IMO instruments** Not applicable.

**ADN; ADR; IATA; IMDG; RID**



**Marine pollutant**



**General information** IMDG Regulated Marine Pollutant.

## SECTION 15: Regulatory information

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

**EU regulations**

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**EU Regulation 648/2004, Annex VII, Content Labeling for Detergents**

Not listed.

**Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

#### **Authorisations**

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### **Restrictions on use**

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Not listed.

#### **Other EU regulations**

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Butanol Normal (CAS 71-36-3)

Butyl acetate (CAS 123-86-4)

Cellulose Nitrate (CAS 9004-70-0)

Ethyl alcohol (CAS 64-17-5)

Isopropanol (CAS 67-63-0)

Malachite Green Oxalate (CAS 2437-29-8)

Propyl acetate (CAS 109-60-4)

#### **Other regulations**

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

#### **National regulations**

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

#### **15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

### **SECTION 16: Other information**

#### **List of abbreviations**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

CAS: Chemical Abstract Service.

CEN: European Committee for Standardization.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit.

TLV: Threshold Limit Value.

TWA: Time Weighted Average.

VLE: Exposure Limit Value.

VME: Exposure Average Value.  
vPvB: Very persistent and very bioaccumulative.

## References

Not available.

## Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

## Full text of any H-statements not written out in full under Sections 2 to 15

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H351 Suspected of causing cancer.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

## Revision information

Composition / Information on Ingredients: Disclosure Overrides  
Physical & Chemical Properties: Multiple Properties

## Training information

Follow training instructions when handling this material.

## Disclaimer

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