SAFETY DATA SHEET

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

Supplied by:
Sil-Mid Limited
Roman Park, Roman Way
Coleshill, West Midlands
B46 1HG. UK
T: 01675 432850
E: info@silmid.com

Emergency Telephone No. +44 (0)1675 432850
(Monday to Friday, 08:00 – 17:30 – GMT)

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.
Health hazards		
Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
Environmental hazards		
Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.

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	
Classification: Flam. Liq. 2;H225					
Butyl acetate	30 - 40	123-86-4 204-658-1	-	607-025-00-1	#
Classification: Flam. Liq. 3;H226, STOT SE 3;H336					
Butanol Normal	1 - 5	71-36-3 200-751-6	-	603-004-00-6	
Classification: 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	
Classification: -					T
Isopropanol	1 - 5	67-63-0 200-661-7	01-2119457558-25-XXXX	603-117-00-0	
Classification: 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	
Classification: 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	-	-	
Classification: 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	
Classification: 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 (CO2).

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/m3
		50 ppm
	STEL	600 mg/m3
		200 ppm
Butyl acetate (CAS 123-86-4)	Ceiling	480 mg/m3
		100 ppm
	MAK	241 mg/m3
		100 ppm
Ethyl alcohol (CAS 64-17-5)	Ceiling	3800 mg/m3
		2000 ppm
	MAK	1900 mg/m3

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

Components	Type	Value
		1000 ppm
Isopropanol (CAS 67-63-0)	MAK	500 mg/m3
		200 ppm
	STEL	2000 mg/m3
		800 ppm
Propyl acetate (CAS 109-60-4)	Ceiling	420 mg/m3
		100 ppm
	MAK	420 mg/m3
		100 ppm

Belgium. Exposure Limit Values

Components	Type	Value
Butanol Normal (CAS 71-36-3)	TWA	62 mg/m3
		20 ppm
Butyl acetate (CAS 123-86-4)	STEL	712 mg/m3
		150 ppm
	TWA	238 mg/m3
		50 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1907 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	1055 mg/m3
		250 ppm
	TWA	847 mg/m3
		200 ppm

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

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	150 mg/m3
	TWA	100 mg/m3
Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
	TWA	710 mg/m3
Ethyl alcohol (CAS 64-17-5)	TWA	1000 mg/m3
Isopropanol (CAS 67-63-0)	STEL	1225 mg/m3
	TWA	980 mg/m3

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

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	154 mg/m3
		50 ppm
Butyl acetate (CAS 123-86-4)	MAC	241 mg/m3
		50 ppm
	STEL	723 mg/m3

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

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

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

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
Propyl acetate (CAS 109-60-4)	TWA	840 mg/m3
		200 ppm

Czech Republic. OELs. Government Decree 361

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	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

Denmark. Exposure Limit Values

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

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	90 mg/m3
		30 ppm
	TWA	45 mg/m3
		15 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

Finland. Workplace Exposure Limits

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	230 mg/m3
		75 ppm
	TWA	150 mg/m3
		50 ppm
Butyl acetate (CAS 123-86-4)	STEL	725 mg/m3
		150 ppm
	TWA	240 mg/m3
		50 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	2500 mg/m3
		1300 ppm
	TWA	1900 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	STEL	620 mg/m3
		250 ppm
	TWA	500 mg/m3
		200 ppm
Propyl acetate (CAS 109-60-4)	STEL	850 mg/m3
		200 ppm
	TWA	420 mg/m3
		100 ppm

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

Components	Type	Value
Butanol Normal (CAS 71-36-3)	VLE	150 mg/m3
Regulatory status: Indicative limit (VL)		
		50 ppm
Regulatory status: Indicative limit (VL)		

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

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

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

Components	Type	Value
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

Components	Type	Value
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

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	300 mg/m3
		100 ppm
	TWA	300 mg/m3
		100 ppm
Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
		200 ppm
	TWA	710 mg/m3
		150 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	STEL	1225 mg/m3
		500 ppm
	TWA	980 mg/m3
		400 ppm
Propyl acetate (CAS 109-60-4)	STEL	1050 mg/m3
		250 ppm
	TWA	840 mg/m3
		200 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	90 mg/m3
	TWA	45 mg/m3
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m3
	TWA	241 mg/m3
Ethyl alcohol (CAS 64-17-5)	STEL	3800 mg/m3
	TWA	1900 mg/m3
Isopropanol (CAS 67-63-0)	STEL	1000 mg/m3
	TWA	500 mg/m3
Propyl acetate (CAS 109-60-4)	STEL	840 mg/m3
	TWA	420 mg/m3

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

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	150 mg/m3
		50 ppm
	TWA	80 mg/m3
		25 ppm
Butyl acetate (CAS 123-86-4)	TWA	700 mg/m3
		150 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	TWA	490 mg/m3

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

Components	Type	Value
		200 ppm
Propyl acetate (CAS 109-60-4)	TWA	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
	TWA	710 mg/m3
		150 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	1000 ppm
Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 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
	TWA	241 mg/m3
		50 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	1000 ppm
Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 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
	TWA	241 mg/m3
		50 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1000 mg/m3
Isopropanol (CAS 67-63-0)	STEL	600 mg/m3
	TWA	350 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
	TWA	45 mg/m3
		15 ppm
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m3
		150 ppm
	TWA	241 mg/m3
		50 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
Propyl acetate (CAS 109-60-4)	STEL	800 mg/m3
		200 ppm
	TWA	420 mg/m3
		100 ppm

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

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

Netherlands. OELs (binding)

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	1900 mg/m3
	TWA	260 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
Butanol Normal (CAS 71-36-3)	Ceiling	75 mg/m3
		25 ppm
Ethyl alcohol (CAS 64-17-5)	TLV	950 mg/m3
		500 ppm
Isopropanol (CAS 67-63-0)	TLV	245 mg/m3
		100 ppm
Propyl acetate (CAS 109-60-4)	TLV	420 mg/m3
		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/m3
		0 ppm
	TWA	50 mg/m3
		0 ppm
Butyl acetate (CAS 123-86-4)	STEL	720 mg/m3
		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

Components	Type	Value
	TWA	240 mg/m3
		0 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m3
		0 ppm
Isopropanol (CAS 67-63-0)	STEL	1200 mg/m3
		0 ppm
	TWA	900 mg/m3
		0 ppm
Propyl acetate (CAS 109-60-4)	STEL	400 mg/m3
		0 ppm
	TWA	200 mg/m3
		0 ppm

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

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

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

Components	Type	Value
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

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	200 mg/m3
		66 ppm
	TWA	100 mg/m3
		33 ppm
Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
		200 ppm
	TWA	715 mg/m3
		150 ppm
Ethyl alcohol (CAS 64-17-5)	STEL	9500 mg/m3
		5000 ppm
	TWA	1900 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	STEL	500 mg/m3
		203 ppm

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

Components	Type	Value
	TWA	200 mg/m3
		81 ppm
Propyl acetate (CAS 109-60-4)	STEL	600 mg/m3
		144 ppm
	TWA	400 mg/m3
		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/m3
		100 ppm
Butyl acetate (CAS 123-86-4)	STEL	723 mg/m3
		150 ppm
	TWA	241 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
		400 ppm
	TWA	500 mg/m3
		200 ppm
Propyl acetate (CAS 109-60-4)	STEL	800 mg/m3
		200 ppm
	TWA	400 mg/m3
		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/m3
		100 ppm
Butyl acetate (CAS 123-86-4)	TWA	300 mg/m3
		62 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	960 mg/m3
		500 ppm
Isopropanol (CAS 67-63-0)	TWA	500 mg/m3
		200 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
Butanol Normal (CAS 71-36-3)	STEL	154 mg/m3
		50 ppm
	TWA	61 mg/m3
		20 ppm
Butyl acetate (CAS 123-86-4)	STEL	965 mg/m3

Spain. Occupational Exposure Limits

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	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	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
		400 ppm
	TWA	500 mg/m3
		200 ppm
Propyl acetate (CAS 109-60-4)	STEL	840 mg/m3
		200 ppm
	TWA	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
		150 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	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
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
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
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
Isopropanol (CAS 67-63-0)	40 mg/l	Acetona	Urine	*

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

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

Components	Value	Determinant	Specimen	
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.

Eye/face protection	Chemical respirator with organic vapour cartridge and full facepiece.
Skin protection	
- Hand protection	Wear appropriate chemical resistant gloves.
- Other	Wear suitable protective clothing.
Respiratory protection	Chemical respirator with organic vapour cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	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.
Environmental exposure controls	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

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

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents. Alkali metals. Nitrates.
10.6. Hazardous decomposition products	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)		
Acute		
Inhalation		
LC50	Rat	> 21 mg/l, 4 Hours
Oral		
LD50	Rat	14000 mg/kg
Ethyl alcohol (CAS 64-17-5)		
Acute		
Inhalation		
Vapour		
LC50	Rat	51 mg/l, 6 Hours
Isopropanol (CAS 67-63-0)		
Acute		
Inhalation		
LC50	-	51 mg/l, 8 Hours
Oral		
LD50	Rat	4,7 g/kg
Propyl acetate (CAS 109-60-4)		
Acute		
Dermal		
LD50	Rabbit	> 18000 mg/kg, 24 Hours
Inhalation		
Vapour		
LC50	Rat	32 mg/l, 4 Hours
Oral		
LD50	Rat	8700 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory sensitisation Not a respiratory sensitizer.

Skin sensitisation This product is not expected to cause skin sensitisation.

Germ cell mutagenicity Chilean Spanish went out in Job 18-0024189, French and German were reviewed under 17-0023466 and Hindi under 17-0023485

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

ACGIH Carcinogens

Isopropanol (CAS 67-63-0) Not classifiable as a human carcinogen. A4

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

Reproductive toxicity 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)			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	0,047 mg/l, 96 hours
Butanol Normal (CAS 71-36-3)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	1897 - 2072 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	100 - 500 mg/l, 96 hours
Butyl acetate (CAS 123-86-4)			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	17 - 19 mg/l, 96 hours
Ethyl alcohol (CAS 64-17-5)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	7,7 - 11,2 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	42 mg/l, 4 days
Isopropanol (CAS 67-63-0)			
Aquatic			
Acute			
Fish	LC50	Bluegill (Lepomis macrochirus)	> 1400 mg/l, 96 hours
Malachite Green Oxalate (CAS 2437-29-8)			
Aquatic			
Acute			
Fish	LC50	Channel catfish (Ictalurus punctatus)	0,14 mg/l, 96 hours
Propyl acetate (CAS 109-60-4)			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	56 - 64 mg/l, 96 hours

12.2. Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)	
Butanol Normal	0,88
Butyl acetate	1,78
Ethyl alcohol	-0,31
Isopropanol	0,05
Propyl acetate	1,24

Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not established.
12.5. Results of PBT and vPvB assessment	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
12.6. 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.
12.7. Other adverse effects	None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	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).
Contaminated packaging	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.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	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.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

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 and reducing compound) (vapour pressure at 50 °C more than 110 kPa)
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	33
Tunnel restriction code	D/E
14.4. Packing group	II
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

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 (vapour pressure at 50 °C not more than 110 kPa)
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	II
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

ADN

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 and reducing compound)
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	II
14.5. Environmental hazards	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	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.