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 Aerosol - Steel Red
Registration number	-
Synonyms	None.
Part Number	80096
Issue date	20-February-2019
Version number	01

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

Manufacturer

Company name	ITW Pro Brands
Address	805 E. Old 56 Highway Olathe, KS 66061
Country	(U.S.A.) Tel: +1 800-443-9536
In Case of Emergency	1-800-535-5053 (Infotrac)

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		
Aerosols	Category 1	H222 - Extremely flammable aerosol. H229 - Pressurized container: May burst if heated.
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.

Hazard summary Contents under pressure. Heat may cause the containers to explode. Causes serious eye damage. May cause drowsiness and dizziness. 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: Butanol Normal, Butyl acetate, Cellulose Nitrate, Diacetone alcohol, Ethyl alcohol, Isopropanol, Petroleum gases, Liquefied, Sweetened, Propyl acetate, Solvent Red 160

Hazard pictograms

Signal word Danger

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary statements

Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing gas.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear eye protection/face protection.

Response

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.

Storage

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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 Not a PBT or vPvB substance or mixture.

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	30 - 40	64-17-5 200-578-6	-	603-002-00-5	
Classification:	Flam. Liq. 2;H225				
Butyl acetate	20 - 30	123-86-4 204-658-1	-	607-025-00-1	
Classification:	Flam. Liq. 3;H226, STOT SE 3;H336				
Petroleum gases, Liquefied, Sweetened	20 - 30	68476-86-8 270-705-8	-	649-203-00-1	
Classification:	Muta. 1B;H340, Carc. 1A;H350				K,S,U
Butanol Normal	5 - 10	71-36-3 200-751-6	-	603-004-00-6	
Classification:	Flam. Liq. 3;H226, Acute Tox. 4;H302, Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335, STOT SE 3;H336				
Cellulose Nitrate	1 - 5	9004-70-0 -	-	603-037-00-6	
Classification:	-				T
Diacetone alcohol	1 - 5	123-42-2 204-626-7	-	603-016-00-1	
Classification:	Eye Irrit. 2;H319				
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 - 3	109-60-4 203-686-1	-	607-024-00-6	
Classification:	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336				C
Solvent Red 160	1 - 3	70851-41-1 -	-	-	
Classification:	-				

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 K: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (EINECS No 203-450-8).
Note S: This substance may not require a label according to Article 17 (see section 1.3 of Annex I) (Table 3.1). This substance may not require a label according to Article 23 of Directive 67/548/EEC (see section 8 of Annex VI to that Directive) (Table 3.2).
Note U: When put on the market gases have to be classified as "Gases under pressure", in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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 Wash off with soap and water. 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 In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed May cause drowsiness and 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. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards Extremely flammable aerosol.

5.1. Extinguishing media

Suitable extinguishing media Alcohol resistant foam. Dry 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 Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire fighting procedures Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material.

Large Spills: Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Scoop up used absorbent into drums or other appropriate container. Following product recovery, flush area with water.

Small Spills: 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

Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not get this material in contact with eyes. Avoid breathing gas. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat, sparks and open flame. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in tightly closed container. 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	480 mg/m3
		100 ppm
Diacetone alcohol (CAS 123-42-2)	MAK	240 mg/m3
		50 ppm
Ethyl alcohol (CAS 64-17-5)	Ceiling	3800 mg/m3
		2000 ppm
	MAK	1900 mg/m3
		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	964 mg/m3
		200 ppm
	TWA	723 mg/m3
		150 ppm
Diacetone alcohol (CAS 123-42-2)	TWA	241 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	724 mg/m3
		150 ppm
	STEL	966 mg/m3
		200 ppm
Diacetone alcohol (CAS 123-42-2)	MAC	241 mg/m3
		50 ppm
	STEL	362 mg/m3
		75 ppm
Ethyl alcohol (CAS 64-17-5)	MAC	1900 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	MAC	999 mg/m3
		400 ppm

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

Components	Type	Value
	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
Diacetone alcohol (CAS 123-42-2)	Ceiling	300 mg/m3
	TWA	200 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
Diacetone alcohol (CAS 123-42-2)	TLV	240 mg/m3
		50 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. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
Butanol Normal (CAS 71-36-3)	Ceiling	90 mg/m3
		30 ppm
	TWA	45 mg/m3
		15 ppm
Diacetone alcohol (CAS 123-42-2)	STEL	240 mg/m3
		50 ppm
	TWA	120 mg/m3
		25 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	960 mg/m3
		200 ppm
	TWA	720 mg/m3
		150 ppm
Diacetone alcohol (CAS 123-42-2)	STEL	360 mg/m3
		75 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

Finland. Workplace Exposure Limits

Components	Type	Value
	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)		
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)		
Diacetone alcohol (CAS 123-42-2)	VME	240 mg/m3
Regulatory status: Indicative limit (VL)		
		50 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
Diacetone alcohol (CAS 123-42-2)	TWA	96 mg/m3
		20 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	380 mg/m3
		200 ppm

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

Components	Type	Value
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
Diacetone alcohol (CAS 123-42-2)	AGW	96 mg/m3
		20 ppm
Ethyl alcohol (CAS 64-17-5)	AGW	960 mg/m3
		500 ppm
Isopropanol (CAS 67-63-0)	AGW	500 mg/m3
		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
Diacetone alcohol (CAS 123-42-2)	STEL	360 mg/m3
		75 ppm
	TWA	240 mg/m3
		50 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

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
	TWA	45 mg/m3
Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
	TWA	950 mg/m3
Ethyl alcohol (CAS 64-17-5)	STEL	7600 mg/m3
	TWA	1900 mg/m3
Isopropanol (CAS 67-63-0)	STEL	2000 mg/m3
	TWA	500 mg/m3
Propyl acetate (CAS 109-60-4)	STEL	840 mg/m3
	TWA	840 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
Diacetone alcohol (CAS 123-42-2)	TWA	240 mg/m3
		50 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	TWA	490 mg/m3
		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
Diacetone alcohol (CAS 123-42-2)	TWA	240 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	1050 mg/m3
		250 ppm
	TWA	840 mg/m3
		200 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
Butanol Normal (CAS 71-36-3)	TWA	20 ppm
Butyl acetate (CAS 123-86-4)	STEL	150 ppm
	TWA	50 ppm
Diacetone alcohol (CAS 123-42-2)	TWA	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)	TWA	200 mg/m3
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
	TWA	45 mg/m3
		15 ppm
Diacetone alcohol (CAS 123-42-2)	STEL	240 mg/m3
		50 ppm
	TWA	120 mg/m3
		25 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

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
Diacetone alcohol (CAS 123-42-2)	TLV	120 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

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
	TWA	50 mg/m3
Butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
	TWA	200 mg/m3
Diacetone alcohol (CAS 123-42-2)	TWA	240 mg/m3
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m3
Isopropanol (CAS 67-63-0)	STEL	1200 mg/m3
	TWA	900 mg/m3
Propyl acetate (CAS 109-60-4)	STEL	400 mg/m3
	TWA	200 mg/m3

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
Diacetone alcohol (CAS 123-42-2)	TWA	50 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

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

Components	Type	Value
		200 ppm
	TWA	715 mg/m3
		150 ppm
Diacetone alcohol (CAS 123-42-2)	STEL	250 mg/m3
		53 ppm
	TWA	150 mg/m3
		32 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
	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	700 mg/m3
		150 ppm
	TWA	500 mg/m3
		100 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	480 mg/m3

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
		100 ppm
Diacetone alcohol (CAS 123-42-2)	TWA	240 mg/m3
		50 ppm
Ethyl alcohol (CAS 64-17-5)	TWA	1900 mg/m3
		1000 ppm
Isopropanol (CAS 67-63-0)	TWA	500 mg/m3
		200 ppm
Propyl acetate (CAS 109-60-4)	TWA	420 mg/m3
		100 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
		200 ppm
	TWA	724 mg/m3
		150 ppm
Diacetone alcohol (CAS 123-42-2)	TWA	241 mg/m3
		50 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
Diacetone alcohol (CAS 123-42-2)	STEL	240 mg/m3
		50 ppm

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

Components	Type	Value
	TWA	120 mg/m3
		25 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	960 mg/m3
		200 ppm
	TWA	480 mg/m3
		100 ppm
Diacetone alcohol (CAS 123-42-2)	STEL	192 mg/m3
		40 ppm
	TWA	96 mg/m3
		20 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	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
Diacetone alcohol (CAS 123-42-2)	STEL	362 mg/m3

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
		75 ppm
	TWA	241 mg/m3
		50 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

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	*

* - 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	*
Isopropanol (CAS 67-63-0)	25 mg/l	Aceton	Urine	*
	25 mg/l	Aceton	Blood	*

* - 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.

Exposure guidelines

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

Diacetone alcohol (CAS 123-42-2)	Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls	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.

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	Wear safety glasses with side shields (or goggles) and a face shield.
Skin protection	
- Hand protection	Wear appropriate chemical resistant gloves.
- Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
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	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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Gas.
Form	Aerosol
Colour	Red.
Odour	Sweet. Solvent.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	76,67 - 125 °C (170 - 257 °F)
Flash point	11,7 °C (53,0 °F)
Evaporation rate	< 1 (BuAc = 1)
Flammability (solid, gas)	Flammable gas.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	1,4 %
Flammability limit - upper (%)	19 %
Vapour pressure	Not available.
Vapour density	> 1 (Air = 1)
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Negligible
Partition coefficient (n-octanol/water)	Not available.

Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2. Other information

VOC	8704A Red/Steel Red: 93,89%, 797 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 and 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 and 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		
Oral		
LD50	Rat	14000 mg/kg
Diacetone alcohol (CAS 123-42-2)		
Acute		
Dermal		
LD50	Rat	> 1900 mg/kg, 24 Hours
Oral		
LD50	Rat	3000 mg/kg
Ethyl alcohol (CAS 64-17-5)		
Acute		
Inhalation		
Vapour		
LC50	Rat	51 mg/l, 6 Hours
Oral		
LD50	Rat	1200 - 2800 mg/kg
Isopropanol (CAS 67-63-0)		
Acute		
Oral		
LD50	Rat	4,7 g/kg

Components	Species	Test Results
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 No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

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)

Petroleum gases, Liquefied, Sweetened (CAS 68476-86-8)

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

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

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not likely, due to the form of the product.

Mixture versus substance information No information available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity Due to partial or complete lack of data the classification for hazardous to the aquatic environment, is not possible.

Components		Species	Test Results
Butanol Normal (CAS 71-36-3)			
Aquatic			
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			
Fish	LC50	Fathead minnow (Pimephales promelas)	17 - 19 mg/l, 96 hours
Diacetone alcohol (CAS 123-42-2)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	420 mg/l, 96 hours
Ethyl alcohol (CAS 64-17-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	7,7 - 11,2 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
Isopropanol (CAS 67-63-0)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	> 1400 mg/l, 96 hours

Components	Species	Test Results
Propyl acetate (CAS 109-60-4)		
Aquatic		
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
Diacetone alcohol	-0,098
Ethyl alcohol	-0,31
Isopropanol	0,05
Propyl acetate	1,23

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. 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. Do not re-use empty containers.

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. Contents under pressure. Do not puncture, incinerate or crush. 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 UN1950

14.2. UN proper shipping name Aerosols, flammable

14.3. Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

Hazard No. (ADR) Not available.

Tunnel restriction code D

14.4. Packing group Not available.

14.5. Environmental hazards No.

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

RID

14.1. UN number UN1950

14.2. UN proper shipping name Aerosols, flammable

14.3. Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

14.4. Packing group Not available.

14.5. Environmental hazards No.

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

ADN

14.1. UN number	UN1950
14.2. UN proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
14.4. Packing group	Not available.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number	UN1950
14.2. UN proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
14.4. Packing group	Not available.
14.5. Environmental hazards	No.
ERG Code	10L
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	UN1950
14.2. UN proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
14.4. Packing group	Not available.
14.5. Environmental hazards	
Marine pollutant	No.
EmS	F-D, S-U
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

ADN; ADR; IATA; IMDG; RID

SECTION 15: Regulatory information

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

EU regulations

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

Not listed

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

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

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

Not listed.

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

Not listed.

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

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

Petroleum gases, Liquefied, Sweetened (CAS 68476-86-8)

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

Petroleum gases, Liquefied, Sweetened (CAS 68476-86-8)

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)
Petroleum gases, Liquefied, Sweetened (CAS 68476-86-8)
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	Not available.
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. H340 May cause genetic defects. H350 May cause cancer.
Revision information	None.
Training information	Follow training instructions when handling this material.

Disclaimer

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