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

1.1. Product identifier

Trade name or designation of the mixture GALVA COLOUR

Registration number -

Synonyms None.

Product code BDS002716AE

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

Identified uses Paints

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name CRC Industries UK Ltd.
Address Wylids Road
 Castlefield Industrial Estate
 TA6 4DD Bridgwater Somerset
 United Kingdom
Telephone +44 1278 727200
Fax +44 1278 425644
E-mail hse.uk@crcind.com
Website www.crcind.com

Company name CRC Industries Europe bv
Address Touwslagerstraat 1
 9240 Zele
 Belgium
Telephone +32(0)52/45.60.11
Fax +32(0)52/45.00.34
E-mail hse@crcind.com
Website www.crcind.com

1.4. Emergency telephone number Tel.:(+44)(0)1278 72 7200 (office hours: 9-17h GMT)

Austria National Poisons Information Centre +431 406 4343 (Available 24 hours a day.)

Belgium National Poisons Control Center 070 245 245 (Available 24 hours a day.)

Bulgaria National Toxicological Information Centre +359 2 9154233 (Available 24 hours a day.)

Czech Republic National Poisons Information Centre +420 224 919 293, or +420 224 915 402 (Hours of operation not provided.)

Denmark National Poisons Control Center +45 82 12 12 12 (Available 24 hours a day.)

Estonia National Poisons Information Centre 16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays))

Finland National Poison Information Center	(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day.)
France National Poisons Control Center	ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day.)
Hungary National Emergency Phone Number	36 80 20 11 99 (Available 24 hours a day.)
Lithuania Neatidėliotina informacija apsinuodijus	+370 5 236 20 52 or +37068753378 (Hours of operation not provided.)
Malta Accident and Emergency Department	2545 4030 (Hours of operation not provided.)
Netherlands National Poisons Information Center (NVIC)	030-274 88 88 (Only for the purpose of informing medical personnel in cases of acute intoxications)
Norway Norwegian Poison Information Center	22 59 13 00 (Available 24 hours a day.)
Portugal Poison Centre	800 250 250 (Available 24 hours a day.)
Romania Număr de telefon care poate fi apelat în caz de urgență:	021 5992300, int. 291 Spitalul Clinic de Urgență București: spital@urgentafloreasca.ro
Romania	0265 212111, 0265 211292, 0265 217235 Spitalul Clinic Județean de Urgență Târgu Mureș: secretariat@spitjudms.ro
Slovakia National Toxicological Information Centre	+421 2 5477 4166 (Available 24 hours a day.)
Sweden National Poison Information Center	112 - and ask for Poison Information (Available 24 hours a day.)
Switzerland Tox Info Suisse	145 (Available 24 hours a day.)

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		
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
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.

2.2. Label elements

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

Contains: 2-Methoxy-1-methylethyl acetate, acetone; propan-2-one; propanone

Hazard pictograms



Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurized container: May burst if heated.
H315 Causes skin irritation.

H336
H412

May cause drowsiness or dizziness.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P102 Keep out of reach of children.
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 mist/vapours.
P280 Wear protective gloves.

Response

Not assigned.

Storage

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

Dir. 2004/42/EC on the limitation of emissions of volatile organic compounds (VOC) of organic solvents in certain paints and varnishes and vehicle refinishing products: Cat.II B(e) - VOC max 840 g/L

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 mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Dimethyl ether	50 - 75	115-10-6 204-065-8	-	603-019-00-8	#
Classification: Flam. Gas 1A;H220, Press. Gas;H280					
xylene	25 - 50	1330-20-7 215-535-7	01-2119488216-32	601-022-00-9	#
Classification: Flam. Liq. 3;H226, Acute Tox. 4;H312;(ATE: 1100 mg/kg bw), Acute Tox. 4;H332;(ATE: 11 mg/l), Skin Irrit. 2;H315					
2-Methoxy-1-methylethyl acetate	2,5 - 10	108-65-6 203-603-9	-	607-195-00-7	#
Classification: Flam. Liq. 3;H226, STOT SE 3;H336					
acetone; propan-2-one; propanone	2,5 - 10	67-64-1 200-662-2	01-2119471330-49	606-001-00-8	#
Classification: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336 Supplemental Hazard Statement(s): EUH066					
ethylbenzene	2,5 - 10	100-41-4 202-849-4	01-2119489370-35	601-023-00-4	#
Classification: Flam. Liq. 2;H225, Acute Tox. 4;H332;(ATE: 11 mg/l), STOT RE 2;H373, Asp. Tox. 1;H304, Aquatic Chronic 3;H412					
Talc	2,5 - 10	14807-96-6 238-877-9	01-2120140278-58	-	
Classification: -					
trizinc bis(orthophosphate)	0,25 - 2,5	7779-90-0 231-944-3	01-2119485044-40	030-011-00-6	
Classification: Aquatic Acute 1;H400, Aquatic Chronic 1;H410					
Fatty acids, C6-19-branched, zinc salts	<2,5	68551-44-0 271-378-4	01-2119980048-32	-	
Classification: Aquatic Chronic 2;H411					

List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

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

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

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 Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

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 or dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain.

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 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. 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 Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

For emergency responders Keep unnecessary personnel away. Ventilate closed spaces before entering them. Avoid breathing mist/vapours. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see 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 Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. The product is immiscible with water and will sediment in water systems. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. 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.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

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 re-use empty containers. Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS). Storage class (TRGS 510): 2B (Aerosol dispensers and lighters)

7.3. Specific end use(s)

Observe industrial sector guidance on best practices.

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	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Ceiling	550 mg/m ³	
		100 ppm	
	MAK	275 mg/m ³	
acetone; propan-2-one; propanone (CAS 67-64-1)		50 ppm	
	MAK	1200 mg/m ³	
		500 ppm	
Dimethyl ether (CAS 115-10-6)	STEL	4800 mg/m ³	
		2000 ppm	
	Ceiling	3820 mg/m ³	
ethylbenzene (CAS 100-41-4)		2000 ppm	
	MAK	1910 mg/m ³	
		1000 ppm	
Talc (CAS 14807-96-6)	Ceiling	880 mg/m ³	
		200 ppm	
	MAK	440 mg/m ³	
xylene (CAS 1330-20-7)		100 ppm	
	MAK	2 mg/m ³	Respirable fraction.
	STEL	20 mg/m ³	Inhalable fraction.
Belgium. Exposure Limit Values		10 mg/m ³	Respirable fraction.
	MAK	221 mg/m ³	
		50 ppm	
Components	STEL	442 mg/m ³	
		100 ppm	

Belgium. Exposure Limit Values

Components	Type	Value
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³
		100 ppm
	TWA	275 mg/m ³
acetone; propan-2-one; propanone (CAS 67-64-1)		50 ppm
	STEL	1187 mg/m ³

Belgium. Exposure Limit Values

Components	Type	Value
		492 ppm
	TWA	594 mg/m ³
		246 ppm
Dimethyl ether (CAS 115-10-6)	TWA	1920 mg/m ³
		1000 ppm
ethylbenzene (CAS 100-41-4)	STEL	551 mg/m ³
		125 ppm
	TWA	87 mg/m ³
		20 ppm
Talc (CAS 14807-96-6)	TWA	2 mg/m ³
xylene (CAS 1330-20-7)	STEL	442 mg/m ³
		100 ppm
	TWA	221 mg/m ³
		50 ppm

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³	
		100 ppm	
	TWA	275 mg/m ³	
		50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	1400 mg/m ³	
		600 mg/m ³	
Dimethyl ether (CAS 115-10-6)	TWA	1920 mg/m ³	
		1000 ppm	
ethylbenzene (CAS 100-41-4)	STEL	545 mg/m ³	
		435 mg/m ³	
Talc (CAS 14807-96-6)	TWA	1 fibers/cm ³	Respirable fraction.
		6 mg/m ³	Inhalable fraction.
		3 mg/m ³	Respirable fraction.
xylene (CAS 1330-20-7)	STEL	442 mg/m ³	
		100 ppm	
	TWA	221 mg/m ³	
		50 ppm	

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	MAC	275 mg/m ³	
		50 ppm	
	STEL	550 mg/m ³	
		100 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	MAC	1210 mg/m ³	
		500 ppm	
Dimethyl ether (CAS 115-10-6)	MAC	1920 mg/m ³	
		1000 ppm	

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

Components	Type	Value	Form
ethylbenzene (CAS 100-41-4)	MAC	442 mg/m3	
		100 ppm	
	STEL	884 mg/m3 200 ppm	
Talc (CAS 14807-96-6)	MAC	1 mg/m3	Respirable dust.
xylene (CAS 1330-20-7)	MAC	221 mg/m3	
		50 ppm	
	STEL	442 mg/m3 100 ppm	

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

Components	Type	Value	Form
Talc (CAS 14807-96-6)	TWA	706 part/cm3	

Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Ceiling	550 mg/m3	
	TWA	270 mg/m3	
acetone; propan-2-one; propanone (CAS 67-64-1)	Ceiling	1500 mg/m3	
	TWA	800 mg/m3	
Dimethyl ether (CAS 115-10-6)	Ceiling	2000 mg/m3	
	TWA	1000 mg/m3	
ethylbenzene (CAS 100-41-4)	Ceiling	500 mg/m3	
	TWA	200 mg/m3	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
xylene (CAS 1330-20-7)	Ceiling	400 mg/m3	
	TWA	200 mg/m3	

Denmark. Exposure Limit Values

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	TLV	275 mg/m3	
		50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	TLV	600 mg/m3	
		250 ppm	
Dimethyl ether (CAS 115-10-6)	TLV	1920 mg/m3	
		1000 ppm	
ethylbenzene (CAS 100-41-4)	TLV	217 mg/m3	
		50 ppm	
Talc (CAS 14807-96-6)	TLV	0,3 fibers/cm3	Fiber.
xylene (CAS 1330-20-7)	TLV	109 mg/m3	
		25 ppm	

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	

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

Components	Type	Value
	TWA	275 mg/m ³ 50 ppm
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m ³ 500 ppm
Dimethyl ether (CAS 115-10-6)	TWA	1920 mg/m ³ 1000 ppm
ethylbenzene (CAS 100-41-4)	STEL	884 mg/m ³ 200 ppm
	TWA	442 mg/m ³ 100 ppm
xylene (CAS 1330-20-7)	STEL	450 mg/m ³ 100 ppm
	TWA	200 mg/m ³ 50 ppm

Finland. Workplace Exposure Limits Components

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³ 100 ppm	
	TWA	270 mg/m ³ 50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	1500 mg/m ³ 630 ppm	
	TWA	1200 mg/m ³ 500 ppm	
Dimethyl ether (CAS 115-10-6)	TWA	2000 mg/m ³ 1000 ppm	
ethylbenzene (CAS 100-41-4)	STEL	880 mg/m ³ 200 ppm	
	TWA	220 mg/m ³ 50 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m ³ 1 mg/m ³	Inhalable dust. Respirable.
xylene (CAS 1330-20-7)	STEL	440 mg/m ³ 100 ppm	
	TWA	220 mg/m ³ 50 ppm	

France. OELs. Indicative Occupational Exposure Limits as Prescribed by Order of 30 June 2004, as amended

Components	Type	Value
Dimethyl ether (CAS 115-10-6)	VME	1920 mg/m ³ 1920 mg/m ³ 1000 ppm 1000 ppm

France. OELs. Occupational Exposure Limits as Prescribed by Art. R.4412-149 of Labor Code, as amended

Components	Type	Value
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	VLE	550 mg/m3
		100 ppm
	VME	275 mg/m3
		50 ppm
acetone; propan-2-one; propanone (CAS 67-64-1)	VLE	2420 mg/m3
		1000 ppm
	VME	1210 mg/m3
		500 ppm
ethylbenzene (CAS 100-41-4)	VLE	442 mg/m3
		100 ppm
	VME	88,4 mg/m3
		20 ppm
xylene (CAS 1330-20-7)	VLE	442 mg/m3
		100 ppm
	VME	221 mg/m3
		50 ppm

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	VLE	550 mg/m3	
	Regulatory status: Regulatory binding (VRC)		
		100 ppm	
	Regulatory status: Regulatory binding (VRC)		
	VME	275 mg/m3	
	Regulatory status: Regulatory binding (VRC)		
		50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	Regulatory status: Regulatory binding (VRC)		
	VLE	2420 mg/m3	
	Regulatory status: Regulatory binding (VRC)		
		1000 ppm	
	Regulatory status: Regulatory binding (VRC)		
	VME	1210 mg/m3	
	Regulatory status: Regulatory binding (VRC)		
		500 ppm	
Dimethyl ether (CAS 115-10-6)	Regulatory status: Regulatory binding (VRC)		
	VME	1920 mg/m3	
	Regulatory status: Regulatory indicative (VRI)		
		1000 ppm	
ethylbenzene (CAS 100-41-4)	Regulatory status: Regulatory indicative (VRI)		
	VLE	442 mg/m3	
	Regulatory status: Regulatory binding (VRC)		
		100 ppm	
	Regulatory status: Regulatory binding (VRC)		
	VME	88,4 mg/m3	
	Regulatory status: Regulatory binding (VRC)		
		20 ppm	
	Regulatory status: Regulatory binding (VRC)		

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

Components	Type	Value	Form
Talc (CAS 14807-96-6)	VME	5 mg/m ³	Respirable fraction.
Regulatory status:	Regulatory binding (VRC)		
		10 mg/m ³	Inhalable fraction.
Regulatory status:	Regulatory binding (VRC)		
xylene (CAS 1330-20-7)	VLE	442 mg/m ³	
Regulatory status:	Regulatory binding (VRC)		
		100 ppm	
Regulatory status:	Regulatory binding (VRC)		
	VME	221 mg/m ³	
Regulatory status:	Regulatory binding (VRC)		
		50 ppm	
Regulatory status:	Regulatory binding (VRC)		

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA	270 mg/m ³	
		50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1200 mg/m ³	
		500 ppm	
Dimethyl ether (CAS 115-10-6)	TWA	1900 mg/m ³	
		1000 ppm	
ethylbenzene (CAS 100-41-4)	TWA	88 mg/m ³	
		20 ppm	
Talc (CAS 14807-96-6)	TWA	4 mg/m ³	Inhalable dust.
xylene (CAS 1330-20-7)	TWA	220 mg/m ³	
		50 ppm	

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	AGW	270 mg/m ³	
		50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	AGW	1200 mg/m ³	
		500 ppm	
Dimethyl ether (CAS 115-10-6)	AGW	1900 mg/m ³	
		1000 ppm	
ethylbenzene (CAS 100-41-4)	AGW	88 mg/m ³	
		20 ppm	
Talc (CAS 14807-96-6)	AGW	10 mg/m ³	Inhalable fraction.
		1,25 mg/m ³	Respirable fraction.
xylene (CAS 1330-20-7)	AGW	220 mg/m ³	
		50 ppm	

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³	
		100 ppm	

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

Components	Type	Value	Form
	TWA	275 mg/m3 50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	3560 mg/m3	
	TWA	1780 mg/m3	
Dimethyl ether (CAS 115-10-6)	TWA	1920 mg/m3 1000 ppm	
ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3	
	TWA	125 ppm 435 mg/m3	
Talc (CAS 14807-96-6)	TWA	100 ppm 2 mg/m3	Respirable.
		10 mg/m3	Inhalable
xylene (CAS 1330-20-7)	STEL	650 mg/m3 150 ppm	
	TWA	435 mg/m3 100 ppm	

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	275 mg/m3	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m3	
Dimethyl ether (CAS 115-10-6)	TWA	1920 mg/m3	
ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3	
	TWA	442 mg/m3	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable dust.
xylene (CAS 1330-20-7)	STEL	442 mg/m3	
	TWA	221 mg/m3	

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3 100 ppm	
	TWA	275 mg/m3 50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	600 mg/m3 250 ppm	
Dimethyl ether (CAS 115-10-6)	TWA	1885 mg/m3 1000 ppm	
ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3	
	TWA	200 ppm 200 mg/m3	
Talc (CAS 14807-96-6)	TWA	50 ppm 0,3 fibers/cm3	Fiber.

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

Components	Type	Value	Form
xylene (CAS 1330-20-7)	STEL	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
	TWA	442 mg/m3	
		100 ppm	
		109 mg/m3	
		25 ppm	

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	100 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	275 mg/m3	
		50 ppm	
Dimethyl ether (CAS 115-10-6)	TWA	1210 mg/m3	
		500 ppm	
ethylbenzene (CAS 100-41-4)	STEL	1920 mg/m3	
	TWA	1000 ppm	
Talc (CAS 14807-96-6)	TWA	884 mg/m3	
		200 ppm	
		442 mg/m3	
xylene (CAS 1330-20-7)	STEL	100 ppm	
		10 mg/m3	Total inhalable dust.
	TWA	0,8 mg/m3	Respirable dust.

Italy. Occupational Exposure Limits

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	100 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	275 mg/m3	
		50 ppm	
Dimethyl ether (CAS 115-10-6)	TWA	1210 mg/m3	
		500 ppm	
ethylbenzene (CAS 100-41-4)	STEL	1920 mg/m3	
	TWA	1000 ppm	
Talc (CAS 14807-96-6)	TWA	884 mg/m3	
		200 ppm	
		442 mg/m3	
xylene (CAS 1330-20-7)	STEL	100 ppm	
		2 mg/m3	Respirable fraction.
	TWA	442 mg/m3	

Italy. Occupational Exposure Limits Components

Type

Value

Form

50 ppm

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

Type

Value

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)

STEL

550 mg/m3

100 ppm

TWA

275 mg/m3

50 ppm

acetone; propan-2-one; propanone (CAS 67-64-1)

TWA

1210 mg/m3

500 ppm

Dimethyl ether (CAS 115-10-6)

TWA

1920 mg/m3

1000 ppm

ethylbenzene (CAS 100-41-4)

STEL

884 mg/m3

200 ppm

TWA

442 mg/m3

100 ppm

xylene (CAS 1330-20-7)

STEL

442 mg/m3

100 ppm

TWA

221 mg/m3

50 ppm

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

Components

Type

Value

Form

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)

STEL

400 mg/m3

75 ppm

TWA

250 mg/m3

50 ppm

acetone; propan-2-one; propanone (CAS 67-64-1)

STEL

2420 mg/m3

1000 ppm

TWA

1210 mg/m3

500 ppm

Dimethyl ether (CAS 115-10-6)

STEL

2280 mg/m3

1500 ppm

TWA

1920 mg/m3

1000 ppm

ethylbenzene (CAS 100-41-4)

STEL

884 mg/m3

200 ppm

TWA

442 mg/m3

100 ppm

Talc (CAS 14807-96-6)

TWA

2 mg/m3

Inhalable fraction.

1 mg/m3

Respirable fraction.

xylene (CAS 1330-20-7)

STEL

442 mg/m3

100 ppm

TWA

221 mg/m3

50 ppm

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

Components	Type	Value
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
acetone; propan-2-one; propanone (CAS 67-64-1)		50 ppm
	TWA	1210 mg/m3
		500 ppm
Dimethyl ether (CAS 115-10-6)	TWA	1920 mg/m3
		1000 ppm
ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	442 mg/m3
xylene (CAS 1330-20-7)		100 ppm
	STEL	442 mg/m3
	TWA	221 mg/m3
		50 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
acetone; propan-2-one; propanone (CAS 67-64-1)		50 ppm
	TWA	1210 mg/m3
		500 ppm
Dimethyl ether (CAS 115-10-6)	TWA	1920 mg/m3
		1000 ppm
ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	442 mg/m3
xylene (CAS 1330-20-7)		100 ppm
	STEL	442 mg/m3
	TWA	221 mg/m3
		50 ppm

Netherlands. OELs (binding)

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA	550 mg/m3	
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	2420 mg/m3	
	TWA	1210 mg/m3	
Dimethyl ether (CAS 115-10-6)	STEL	1500 mg/m3	
	TWA	950 mg/m3	

Netherlands. OELs (binding)

Components	Type	Value	Form
ethylbenzene (CAS 100-41-4)	STEL	430 mg/m3	
	TWA	215 mg/m3	
Talc (CAS 14807-96-6)	TWA	0,25 mg/m3	Respirable dust.
xylene (CAS 1330-20-7)	STEL	442 mg/m3	
	TWA	210 mg/m3	

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	TLV	270 mg/m3	
		50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	TLV	295 mg/m3	
		125 ppm	
Dimethyl ether (CAS 115-10-6)	TLV	384 mg/m3	
		200 ppm	
ethylbenzene (CAS 100-41-4)	TLV	20 mg/m3	
		5 ppm	
Talc (CAS 14807-96-6)	TLV	6 mg/m3	Total dust.
		2 mg/m3	Respirable dust.
xylene (CAS 1330-20-7)	TLV	108 mg/m3	
		25 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	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	520 mg/m3	
	TWA	260 mg/m3	
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	1800 mg/m3	
	TWA	600 mg/m3	
Dimethyl ether (CAS 115-10-6)	TWA	1000 mg/m3	
ethylbenzene (CAS 100-41-4)	STEL	400 mg/m3	
	TWA	200 mg/m3	
Talc (CAS 14807-96-6)	TWA	4 mg/m3	Inhalable fraction.
		1 mg/m3	Respirable fraction.
xylene (CAS 1330-20-7)	STEL	200 mg/m3	
	TWA	100 mg/m3	

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	
		275 mg/m3	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	50 ppm	
		1210 mg/m3	
Dimethyl ether (CAS 115-10-6)	TWA	500 ppm	
		1920 mg/m3	

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

Components	Type	Value
ethylbenzene (CAS 100-41-4)	STEL	1000 ppm 884 mg/m3
	TWA	200 ppm 442 mg/m3
xylene (CAS 1330-20-7)	STEL	100 ppm 442 mg/m3
	TWA	100 ppm 221 mg/m3 50 ppm

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

Components	Type	Value	Form
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	100 ppm	
		275 mg/m3 50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m3	
		500 ppm	
Dimethyl ether (CAS 115-10-6)	TWA	1920 mg/m3	
		1000 ppm	
ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3	
	TWA	200 ppm	
		442 mg/m3 100 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
	xylene (CAS 1330-20-7)	STEL	442 mg/m3
TWA		100 ppm	
		221 mg/m3 50 ppm	

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	100 ppm	
		275 mg/m3 50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m3	
		500 ppm	

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

Components	Type	Value	Form
Dimethyl ether (CAS 115-10-6)	TWA	1920 mg/m3	
		1000 ppm	
ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3	
		200 ppm	
	TWA	442 mg/m3	
Fatty acids, C6-19-branched, zinc salts (CAS 68551-44-0)	TWA	100 ppm	
		2 mg/m3	Inhalable fraction.
Talc (CAS 14807-96-6)	TWA	0,1 mg/m3	Respirable fraction.
		2 mg/m3	Respirable fraction.
		2 mg/m3	Respirable fraction.
		10 mg/m3	Total
trizinc bis(orthophosphate) (CAS 7779-90-0)	TWA	2 mg/m3	Inhalable fraction.
		0,1 mg/m3	Respirable fraction.
xylene (CAS 1330-20-7)	STEL	442 mg/m3	
		100 ppm	
	TWA	221 mg/m3	
		50 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	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA	275 mg/m3	
		50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m3	
		500 ppm	
Dimethyl ether (CAS 115-10-6)	TWA	1920 mg/m3	
		1000 ppm	
ethylbenzene (CAS 100-41-4)	TWA	442 mg/m3	
		100 ppm	
Talc (CAS 14807-96-6)	TWA	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
xylene (CAS 1330-20-7)	TWA	221 mg/m3	
		50 ppm	

Spain. Occupational Exposure Limits

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	
	TWA	275 mg/m3	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	50 ppm	
		1210 mg/m3	
Dimethyl ether (CAS 115-10-6)	TWA	500 ppm	
		1920 mg/m3	
		1000 ppm	

Spain. Occupational Exposure Limits Components

Components	Type	Value	Form
ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3 200 ppm	
	TWA	441 mg/m3 100 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
xylene (CAS 1330-20-7)	STEL	442 mg/m3 100 ppm	
	TWA	221 mg/m3 50 ppm	

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

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Ceiling	550 mg/m3	
	TWA	100 ppm 275 mg/m3 50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	1200 mg/m3	
	TWA	500 ppm 600 mg/m3 250 ppm	
Dimethyl ether (CAS 115-10-6)	STEL	1500 mg/m3	
	TWA	800 ppm 950 mg/m3 500 ppm	
ethylbenzene (CAS 100-41-4)	Ceiling	884 mg/m3	
	TWA	200 ppm 220 mg/m3 50 ppm	
Talc (CAS 14807-96-6)	TWA	2 mg/m3 1 mg/m3	Total dust. Respirable dust.
xylene (CAS 1330-20-7)	Ceiling	442 mg/m3 100 ppm	
	TWA	221 mg/m3 50 ppm	

Switzerland. SUVA Grenzwerte am Arbeitsplatz Components

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	275 mg/m3	
	TWA	50 ppm 275 mg/m3 50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	2400 mg/m3	
	TWA	1000 ppm 1200 mg/m3 500 ppm	
Dimethyl ether (CAS 115-10-6)	TWA	1910 mg/m3	

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
ethylbenzene (CAS 100-41-4)	STEL	1000 ppm 220 mg/m3	
	TWA	50 ppm 220 mg/m3	
Talc (CAS 14807-96-6)	TWA	50 ppm 3 mg/m3	Respirable fraction.
xylene (CAS 1330-20-7)	STEL	870 mg/m3 200 ppm	
	TWA	435 mg/m3 100 ppm	

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	548 mg/m3 100 ppm	
	TWA	274 mg/m3 50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	3620 mg/m3 1500 ppm	
	TWA	1210 mg/m3 500 ppm	
Dimethyl ether (CAS 115-10-6)	STEL	958 mg/m3 500 ppm	
	TWA	766 mg/m3 400 ppm	
ethylbenzene (CAS 100-41-4)	STEL	552 mg/m3 125 ppm	
	TWA	441 mg/m3 100 ppm	
Talc (CAS 14807-96-6)	TWA	1 mg/m3	Respirable dust.
xylene (CAS 1330-20-7)	STEL	441 mg/m3 100 ppm	
	TWA	220 mg/m3 50 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	Form
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3 100 ppm	
	TWA	275 mg/m3 50 ppm	
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm	
	TWA	1920 mg/m3 1000 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
ethylbenzene (CAS 100-41-4)	STEL	884 mg/m ³
		200 ppm
	TWA	442 mg/m ³ 100 ppm
xylene (CAS 1330-20-7)	STEL	442 mg/m ³
		100 ppm
	TWA	221 mg/m ³ 50 ppm

Biological limit values

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

Components	Value	Determinant	Specimen	Sampling Time
acetone; propan-2-one; propanone (CAS 67-64-1)	20 mg/g	Acetone	Creatinine in urine	*
	20 mg/l	Acetone	Blood	*
	0,34 mmol/l	Acetone	Blood	*
	39 mmol/mol	Acetone	Creatinine in urine	*
ethylbenzene (CAS 100-41-4)	1,5 g/g	Mandelic acid	Creatinine in urine	*
	1,5 mg/l	ethylbenzene	Blood	*
	1,12 mol/mol	Mandelic acid	Creatinine in urine	*
	14,1 umol/l	ethylbenzene	Blood	*
xylene (CAS 1330-20-7)	1,5 g/g	Methylhippuric acids	Creatinine in urine	*
	1,5 mg/l	xylene	Blood	*
	0,88 mol/mol	Methylhippuric acids	Creatinine in urine	*
	14,13 umol/l	xylene	Blood	*

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

Czech Republic. Limit Values for Indicators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.

Components	Value	Determinant	Specimen	Sampling Time
ethylbenzene (CAS 100-41-4)	1100 µmol/mmol	Mandelic acid	Creatinine in urine	*
	1500 mg/g	Mandelic acid	Creatinine in urine	*
xylene (CAS 1330-20-7)	820 µmol/mmol	Methylhippuric acids	Creatinine in urine	*
	1400 mg/g	Methylhippuric acids	Creatinine in urine	*

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

Finland. HTP-arvot, App 2., Biological Limit Values, (BRA/BGV) , Social Affairs and Ministry of Health

Components	Value	Determinant	Specimen	Sampling Time
ethylbenzene (CAS 100-41-4)	5,2 mmol/l	Mandelic acid	Urine	*
xylene (CAS 1330-20-7)	5 mmol/l	Methylhippuric acids	Urine	*

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

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)

Components	Value	Determinant	Specimen	Sampling Time
acetone; propan-2-one; propanone (CAS 67-64-1)	100 mg/l	Acétone	Urine	*

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065))

Components	Value	Determinant	Specimen	Sampling Time
ethylbenzene (CAS 100-41-4)	1500 mg/g	Acide mandélique	Creatinine in urine	*
xylene (CAS 1330-20-7)	1500 mg/g	Acides méthylhippuriques	Creatinine in urine	*

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

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

Components	Value	Determinant	Specimen	Sampling Time
acetone; propan-2-one; propanone (CAS 67-64-1)	80 mg/l	ACETON	Urine	*
ethylbenzene (CAS 100-41-4)	250 mg/g	Mandelsäure plus Phenylglyoxylsäure	Creatinine in urine	*
xylene (CAS 1330-20-7)	2000 mg/l	Methylhippur-(Tolur-)säure (alle Isomere)	Urine	*

* - 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
acetone; propan-2-one; propanone (CAS 67-64-1)	1380 µmol/l	Acetone	Urine	*
	80 mg/l	Acetone	Urine	*
ethylbenzene (CAS 100-41-4)	1110 µmol/mmol	mandelic acid	Creatinine in urine	*
	1500 mg/g	mandelic acid	Creatinine in urine	*
xylene (CAS 1330-20-7)	860 µmol/mmol	methyl hippuric acids	Creatinine in urine	*
	1500 mg/g	methyl hippuric acids	Creatinine in 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
acetone; propan-2-one; propanone (CAS 67-64-1)	53,36 mg/g	Acetone	Creatinine in urine	*
	80 mg/l	Acetone	Urine	*
ethylbenzene (CAS 100-41-4)	8,03 mg/g	2 and 4-ethylphenol	Creatinine in urine	*
	12 mg/l	2 and 4-ethylphenol	Urine	*
xylene (CAS 1330-20-7)	1334 mg/g	Methylhippuric acids	Creatinine in urine	*
	2000 mg/l	Methylhippuric acids	Urine	*
	1,5 mg/l	xylene	Blood	*

* - 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
acetone; propan-2-one; propanone (CAS 67-64-1)	50 mg/l	Acetona	Urine	*
ethylbenzene (CAS 100-41-4)	700 mg/g	Suma del ácido mandélico y el ácido fenilgloxílico	Creatinine in urine	*

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

Components	Value	Determinant	Specimen	Sampling Time
xylene (CAS 1330-20-7)	1 g/g	Ácidos metilhipúricos	Creatinine in 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	Sampling Time
acetone; propan-2-one; propanone (CAS 67-64-1)	80 mg/l	ACETON	Urine	*
ethylbenzene (CAS 100-41-4)	600 mg/g	Mandelsäure plus Phenylglyoxylsäure	Creatinine in urine	*
xylene (CAS 1330-20-7)	2 g/l	Methyl-Hippursäure	Urine	*

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

UK. EH40 Biological Monitoring Guidance Values (BMGVs)

Components	Value	Determinant	Specimen	Sampling Time
xylene (CAS 1330-20-7)	650 mmol/mol	Methyl hippuric acid	Creatinine in urine	*

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

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs)

General population

Components	Value	Assessment factor	Notes
acetone; propan-2-one; propanone (CAS 67-64-1)			
Long-term, Systemic, Dermal	62 mg/kg bw/day	20	
Long-term, Systemic, Inhalation	200 mg/m3	5	
Long-term, Systemic, Oral	62 mg/kg bw/day	2	
ethylbenzene (CAS 100-41-4)			
Long-term, Systemic, Inhalation	15 mg/m3	5	Repeated dose toxicity
Long-term, Systemic, Oral	1,6 mg/kg bw/day	40	Repeated dose toxicity
Fatty acids, C6-19-branched, zinc salts (CAS 68551-44-0)			
Long-term, Systemic, Dermal	83 mg/kg	1	Repeated dose toxicity
Long-term, Systemic, Inhalation	2,5 mg/m3	1	Repeated dose toxicity
xylene (CAS 1330-20-7)			
Long-term, Local, Inhalation	65,3 mg/m3	1,7	irritation respiratory tract
Long-term, Systemic, Dermal	125 mg/kg bw/day	1,7	Neurotoxicity
Short-term, Local, Inhalation	260 mg/m3	1,7	Neurotoxicity

Workers

Components	Value	Assessment factor	Notes
acetone; propan-2-one; propanone (CAS 67-64-1)			
Long-term, Systemic, Dermal	186 mg/kg bw/day		
Long-term, Systemic, Inhalation	1210 mg/m3		
Short-term, Local, Inhalation	2420 mg/m3		
ethylbenzene (CAS 100-41-4)			
Long-term, Systemic, Dermal	180 mg/kg bw/day	12	Repeated dose toxicity
Long-term, Systemic, Inhalation	77 mg/m3	3	Repeated dose toxicity
Short-term, Local, Inhalation	293 mg/m3	3	irritation respiratory tract
Fatty acids, C6-19-branched, zinc salts (CAS 68551-44-0)			
Long-term, Systemic, Dermal	83 mg/kg	1	Repeated dose toxicity
Long-term, Systemic, Inhalation	5 mg/m3	1	Repeated dose toxicity
xylene (CAS 1330-20-7)			
Long-term, Local, Inhalation	221 mg/m3	1	irritation respiratory tract
Long-term, Systemic, Dermal	212 mg/kg bw/day	1	Neurotoxicity
Long-term, Systemic, Inhalation	221 mg/m3	1	Neurotoxicity

Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
acetone; propan-2-one; propanone (CAS 67-64-1)			
Freshwater	10,6 mg/l	50	
Marine water	1,06 mg/l	500	
Sediment (freshwater)	30,4 mg/kg		
Sediment (marine water)	3,04 mg/kg		
Soil	29,5 mg/kg		
STP	100 mg/l	10	
ethylbenzene (CAS 100-41-4)			
Freshwater	0,1 mg/l		
Secondary poisoning	0,02 g/kg		Oral
Sediment (freshwater)	13,7 mg/kg		
Soil	2,68 mg/kg		
STP	9,6 mg/l	10	
Fatty acids, C6-19-branched, zinc salts (CAS 68551-44-0)			
Freshwater	20,6 µg/l	1	
Secondary poisoning	0,017 g/kg	90	Oral
Sediment (freshwater)	117,8 mg/kg	1	
Soil	35,6 mg/kg	1	
xylene (CAS 1330-20-7)			
Freshwater	0,327 mg/l	1	
Sediment (freshwater)	12,46 mg/kg	1	
Soil	2,31 mg/kg	1	
STP	6,58 mg/l	1	

Exposure guidelines

Austria MAK: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

Belgium OELs: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

Bulgaria OELs: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

Croatia ELVs: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

Czech Republic PELs: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

Denmark GV: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

Estonia OELs: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

EU Exposure Limit Values: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

Finland Exposure Limit Values: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

France INRS: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.

xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Germany DFG MAK (advisory): Skin designation	
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Germany TRGS 900 Limit Values: Skin designation	
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Greece OEL: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Hungary OELs: Skin designation	
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Iceland OELs: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Ireland Exposure Limit Values: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Italy OELs: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Danger of cutaneous absorption
ethylbenzene (CAS 100-41-4)	Danger of cutaneous absorption
xylene (CAS 1330-20-7)	Danger of cutaneous absorption
Latvia OELs: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Lithuania OELs: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Luxembourg OELs: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Malta OELs: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Netherlands OELs (binding): Skin designation	
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Norway Exposure Limit Values: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Portugal OELs: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Romania OELs: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Slovakia OELs: Skin designation	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.
Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)	
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

Spain OELs: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

Sweden Threshold Limit Values: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

Switzerland SUVA Limit Values at the Workplace: Skin designation

ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	Can be absorbed through the skin.

UK EH40 WEL: Skin designation

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
ethylbenzene (CAS 100-41-4)	Can be absorbed through the skin.
xylene (CAS 1330-20-7)	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 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

Use eye protection conforming to EN 166. Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection

When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended.

- Other

Wear appropriate chemical resistant clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge and full facepiece. (Filter type AX)

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	Aerosol.
Colour	Not available.
Odour	Characteristic odor.
Melting point/freezing point	-94,9 °C (-138,8 °F) estimated
Boiling point or initial boiling point and boiling range	Not available.
Flammability	Not available.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	1,2 % estimated
Explosive limit - upper (%)	12,8 % estimated
Flash point	< 21,0 °C (< 69,8 °F) Closed cup
Auto-ignition temperature	> 200 °C (> 392 °F)
Decomposition temperature	Not available.

pH	Not applicable.
Kinematic viscosity	Not available.
Solubility	
Solubility (water)	Insoluble in water
Partition coefficient (n-octanol/water) (log value)	Not applicable.
Vapour pressure	Not available.
Density and/or relative density	
Relative density	1,09 g/cm ³ at 20°C
Vapour density	Not available.
Particle characteristics	Not available.
9.2. Other information	
9.2.1. Information with regard to physical hazard classes	No relevant additional information available.
9.2.2. Other safety characteristics	
Evaporation rate	Not available.
VOC	< 618 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	Avoid high temperatures.
10.5. Incompatible materials	Strong oxidising agents.
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	Causes skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
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. Skin irritation. May cause redness and pain.

11.1. Information on toxicological effects

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

Product	Species	Test Results
GALVA COLOUR		
Acute		
Dermal		
ATEmix		4888,89 mg/kg bw
Components	Species	Test Results
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)		
Acute		
Dermal		
LC50	Rabbit	> 5000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg

Components	Species	Test Results
acetone; propan-2-one; propanone (CAS 67-64-1)		
Acute		
Dermal		
LD50	Rat	15800 mg/kg
Inhalation		
LC50	Rat	50,1 mg/l, 8 Hours
Oral		
LD50	Rat	5800 mg/kg
Dimethyl ether (CAS 115-10-6)		
Acute		
Inhalation		
LC50	Rat	308,5 mg/l, 4 Hours
ethylbenzene (CAS 100-41-4)		
Acute		
Dermal		
LD50	Rabbit	17800 mg/kg
Inhalation		
LC50	Rat	17,2 mg/l/4h
Oral		
LD50	Rat	3500 mg/kg
xylene (CAS 1330-20-7)		
Acute		
Dermal		
LD50	Rabbit	12126 mg/kg
Inhalation		
LC50	Rat	27124 mg/m ³
Oral		
LD50	Rat	3523 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Respiratory sensitisation	Based on available data, the classification criteria are not met.	
Skin sensitisation	Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.	
Carcinogenicity	Risk of cancer cannot be excluded with prolonged exposure.	
Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)		
Not listed.		
IARC Monographs. Overall Evaluation of Carcinogenicity		
ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.	
xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.	
Reproductive toxicity	Based on available data, the classification criteria are not met.	
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.	
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.	
Aspiration hazard	Not likely, due to the form of the product.	
Mixture versus substance information	Not available.	
11.2. Information on other hazards		
Endocrine disrupting properties	This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.	
Other information	Not available.	

SECTION 12: Ecological information

12.1. Toxicity Harmful to aquatic life with long lasting effects.

Components		Species	Test Results
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	> 1000 mg/l, 72 h
Crustacea	EC50	Daphnia	> 400 mg/l, 48 h
Dimethyl ether (CAS 115-10-6)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Daphnia	4,4 mg/l
Fish	LC50	Fish	4,1 mg/l
ethylbenzene (CAS 100-41-4)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	63 mg/l, 3 h
Crustacea	EC50	Crustacea	75 mg/l, 48 h
Fish	LC50	Fish	42,3 mg/l, 96 h

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)

acetone; propan-2-one; propanone	-0,24
Dimethyl ether	0,1
ethylbenzene	3,15

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

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 This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

12.7. Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.
GWP: 1

Substance Global Warming Potential per (Annex IV), Regulation 517/2014/EU on fluorinated greenhouse gases, as amended

Dimethyl ether (CAS 115-10-6)	1
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12.8. Additional information

Estonia Dangerous substances in soil Data

ethylbenzene (CAS 100-41-4)	ETHYLBENZENE 0,1 mg/kg ETHYLBENZENE 5 mg/kg ETHYLBENZENE 50 mg/kg
Fatty acids, C6-19-branched, zinc salts (CAS 68551-44-0)	Zinc (Zn) 1000 mg/kg Zinc (Zn) 200 mg/kg Zinc (Zn) 500 mg/kg
trizinc bis(orthophosphate) (CAS 7779-90-0)	Zinc (Zn) 1000 mg/kg Zinc (Zn) 200 mg/kg Zinc (Zn) 500 mg/kg
xylene (CAS 1330-20-7)	Chemical pesticides (As the total sum of the active substances) 0,5 mg/kg Chemical pesticides (As the total sum of the active substances) 20 mg/kg Chemical pesticides (As the total sum of the active substances) 5 mg/kg

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. 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	UN1950
14.2. UN proper shipping name	AEROSOLS, flammable
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	Not assigned.
Label(s)	2.1
Hazard No. (ADR)	Not assigned.
Tunnel restriction code	D
ADR/RID - Classification code:	5F
14.4. Packing group	Not assigned.
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	Not assigned.
14.4. Packing group	Not assigned.
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	Not assigned.
14.4. Packing group	Not assigned.
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. Maritime transport in bulk according to IMO instruments Not established.



SECTION 15: Regulatory information

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

EU regulations

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

Not listed.

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

acetone; propan-2-one; propanone (CAS 67-64-1)
 Fatty acids, C6-19-branched, zinc salts (CAS 68551-44-0)
 trizinc bis(orthophosphate) (CAS 7779-90-0)
 ethylbenzene (CAS 100-41-4)
 xylene (CAS 1330-20-7)

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

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. Please see

https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf.

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

acetone; propan-2-one; propanone (CAS 67-64-1)
 Dimethyl ether (CAS 115-10-6)
 ethylbenzene (CAS 100-41-4)
 xylene (CAS 1330-20-7)

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

2-Methoxy-1-methylethyl acetate (CAS 108-65-6)
 acetone; propan-2-one; propanone (CAS 67-64-1)
 Dimethyl ether (CAS 115-10-6)
 ethylbenzene (CAS 100-41-4)
 trizinc bis(orthophosphate) (CAS 7779-90-0)
 xylene (CAS 1330-20-7)

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.

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.
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
CAS: Chemical Abstract Service.
Ceiling: Short Term Exposure Limit Ceiling value.
CEN: European Committee for Standardization.
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
GWP: Global Warming Potential.
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.
MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).
MARPOL: International Convention for the Prevention of Pollution from Ships.
PBT: Persistent, bioaccumulative and toxic.
REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation, Authorization and Restriction of Chemicals).
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
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.
VOC: Volatile organic compounds.
vPvB: Very persistent and very bioaccumulative.
STEL: Short-term Exposure Limit.

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 statements, which are not written out in full under sections 2 to 15

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Revision information

None.

Training information

Follow training instructions when handling this material.

Disclaimer

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