SAFETY DATA SHEET

Version #: 05
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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	DEVCON® Cleaner Blend 300
Registration number	-
Synonyms	None.
SKU#	19510

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

Identified uses	Not available.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company Name	ITW Performance Polymers
Address	Bay 150 Shannon Industrial Estate Co. Clare Ireland V14 DF82
Contact Person	Customer Service
Telephone Number	353(61)771500 353(61)471285
Email	customerservice.shannon@itwpp.com
Emergency Phone Number	44(0) 1235 239 670 (24 hours)

1.4. Emergency telephone number

General in EU	112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Austria National Poisons Information Center	+431 406 4343 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Belgium National Poisons Control Center	070 245 245 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Bulgaria National Toxicological Information Center	+359 2 9154 233 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Croatia Poisons Information Center	+385 1 2348 342 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Cyprus Poison Center	1401 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Czech Republic National Poisons Information Center	+420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Denmark National Poisons Control Center	+45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Estonia National Poisons Information Center	16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.)
Finland National Poison Information Center	(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
France National Poisons Control Center	ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

1.4. Emergency telephone number

Greece Poison Information Centre	(0030) 2107793777 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Hungary National Emergency Phone Number	+36-80-201-199 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Iceland Poison Center	(+354) 543 2222 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Latvia Emergency medical aid	113
Latvia Poison and Drug Information Center	+371 67042473 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Lithuania Neatidėliotina informacija apsinuodijus	+370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Malta Accident and Emergency Department	2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Netherlands National Poisons Information Center (NVIC)	NVIC: +31 (0)88 755 8000 (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. SDS/Product information may not be available for the Emergency Service.)
Portugal Poison Center	800 250 250 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Romania Biroul RSI si Informare Toxicologica	021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.)
Slovakia National Toxicological Information Center	+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Spain Toxicology Information Service	+ 34 91 562 04 20 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Sweden National Poison Information Center	112 - and ask for Poison Information (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Switzerland Tox Info Suisse	145 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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

Physical hazards		
Flammable liquids	Category 3	H226 - Flammable liquid and vapor.
Health hazards		
Skin sensitization	Category 1	H317 - May cause an allergic skin reaction.

2.2. Label elements

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

UFI:

Austria: KQ05-51K0-E00Q-T2MU
Belgium: KQ05-51K0-E00Q-T2MU
Bulgaria: KQ05-51K0-E00Q-T2MU
Croatia: KQ05-51K0-E00Q-T2MU
Cyprus: KQ05-51K0-E00Q-T2MU
Czech Republic: KQ05-51K0-E00Q-T2MU
Denmark: KQ05-51K0-E00Q-T2MU
Estonia: KQ05-51K0-E00Q-T2MU
EU: KQ05-51K0-E00Q-T2MU
Finland: KQ05-51K0-E00Q-T2MU
France: KQ05-51K0-E00Q-T2MU
Germany: KQ05-51K0-E00Q-T2MU
Greece: KQ05-51K0-E00Q-T2MU
Hungary: KQ05-51K0-E00Q-T2MU
Iceland: KQ05-51K0-E00Q-T2MU
Ireland: KQ05-51K0-E00Q-T2MU
Italy: KQ05-51K0-E00Q-T2MU
Latvia: KQ05-51K0-E00Q-T2MU
Lithuania: KQ05-51K0-E00Q-T2MU
Luxembourg: KQ05-51K0-E00Q-T2MU
Malta: KQ05-51K0-E00Q-T2MU
Netherlands: KQ05-51K0-E00Q-T2MU
Norway: KQ05-51K0-E00Q-T2MU
Poland: KQ05-51K0-E00Q-T2MU
Portugal: KQ05-51K0-E00Q-T2MU
Romania: KQ05-51K0-E00Q-T2MU
Slovakia: KQ05-51K0-E00Q-T2MU
Slovenia: KQ05-51K0-E00Q-T2MU
Spain: KQ05-51K0-E00Q-T2MU
Sweden: KQ05-51K0-E00Q-T2MU

Contains: (R)-p-mentha-1,8-diene; d-limonene, 1-methoxy-2-acetoxypropane, Propylene glycol monomethyl ether

Hazard pictograms

Signal word Warning

Hazard statements

H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P235 Keep cool.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing mist/vapors.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use appropriate media to extinguish.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

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

Supplemental label information None.

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
Propylene glycol monomethyl ether	50 - < 60	107-98-2 203-539-1	-	603-064-00-3	#
Classification:	Flam. Liq. 3;H226, STOT SE 3;H336				
1-methoxy-2-acetoxypropane	20 - < 30	108-65-6 203-603-9	-	607-195-00-7	#
Classification:	Flam. Liq. 3;H226				
(R)-p-mentha-1,8-diene; d-limonene	5 - < 10	5989-27-5 227-813-5	-	601-096-00-2	
Classification:	Flam. Liq. 3;H226, Skin Irrit. 2;H315, Skin Sens. 1B;H317, Asp. Tox. 1;H304, Aquatic Acute 1;H400(M=1), Aquatic Chronic 3;H412				
2-methoxypropanol	< 0,3	1589-47-5 216-455-5	-	603-106-00-0	
Classification:	Flam. Liq. 3;H226, Skin Irrit. 2;H315, Eye Dam. 1;H318, Repr. 1B;H360D, STOT SE 3;H335				
2-methoxypropyl acetate	< 0,2	70657-70-4 274-724-2	-	607-251-00-0	
Classification:	Flam. Liq. 3;H226, Repr. 1B;H360D, STOT SE 3;H335				
Other components below reportable levels	10 - < 20				

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

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed Headache. Dizziness. Nausea, vomiting. Diarrhea. Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction. Dermatitis. Rash.

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

SECTION 5: Firefighting measures

General fire hazards Flammable liquid and vapor.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).

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

5.2. Special hazards arising from the substance or mixture

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures

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

Specific methods

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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

For emergency responders

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ventilate closed spaces before entering them. Avoid breathing mist/vapors. 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 discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

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

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

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

Never return spills to original containers for re-use.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

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

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

ANNEX 1, PART 1 Categories of dangerous substances
Hazard categories in accordance with Regulation (EC) No 1272/2008
- P5a, b or c FLAMMABLE LIQUIDS (Lower-tier requirements = 50 tons; Upper-tier requirements = 200 tons)

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, as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	Ceiling	550 mg/m3
		100 ppm
	MAK	275 mg/m3
		50 ppm

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

Components	Type	Value
2-methoxypropanol (CAS 1589-47-5)	MAK	75 mg/m3
		20 ppm
	STEL	300 mg/m3
		80 ppm
2-methoxypropyl acetate (CAS 70657-70-4)	MAK	110 mg/m3
		20 ppm
	STEL	440 mg/m3
		80 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	Ceiling	187 mg/m3
		50 ppm
	MAK	187 mg/m3
		50 ppm

Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1 - Chemical agents, as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	369 mg/m3
		100 ppm
	TWA	184 mg/m3
		50 ppm

Bulgaria. OELs. Ordinance No 13 on protection of workers against risks of exposure to chemical agents at work, as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Croatia. OELs (GVI). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and Biological Limit Values, Annex I (NN 91/2018), as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	MAC	275 mg/m3
		50 ppm
	STEL	550 mg/m3
		100 ppm

Croatia. OELs (GVI). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and Biological Limit Values, Annex I (NN 91/2018), as amended

Components	Type	Value
Propylene glycol monomethyl ether (CAS 107-98-2)	MAC	375 mg/m3
		100 ppm
	STEL	568 mg/m3
		150 ppm

Cyprus. OELs. Occupational Exposure Limit Values of Chemicals at Work (Safety and Health at Work (Chem. Agents) Reg., Ann. 1, R.A.A. 268/2001, as amended)

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Czech Republic. Occupational exposure limit values of chemicals at work (Decree on protection of health at work, 361/2007, Annex 2, Part A & Annex 3, Part A, as amended)

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	Ceiling	550 mg/m3
	TWA	270 mg/m3
2-methoxypropyl acetate (CAS 70657-70-4)	Ceiling	550 mg/m3
	TWA	270 mg/m3
Propylene glycol monomethyl ether (CAS 107-98-2)	Ceiling	550 mg/m3
	TWA	270 mg/m3

Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, Annex 2

Components	Type	Value
(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	TLV	25 ppm
1-methoxy-2-acetoxypropane (CAS 108-65-6)	TLV	275 mg/m3
		50 ppm
2-methoxypropanol (CAS 1589-47-5)	TLV	75 mg/m3
		20 ppm
2-methoxypropyl acetate (CAS 70657-70-4)	TLV	110 mg/m3
		20 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	TLV	185 mg/m3
		50 ppm

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

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3

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

Components	Type	Value
		100 ppm
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Finland. HTP-arvot, App 3., Binding Limit Values, Social Affairs and Ministry of Health

Components	Type	Value
(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	STEL	280 mg/m3
		50 ppm
	TWA	140 mg/m3
		25 ppm
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	270 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	560 mg/m3
		150 ppm
	TWA	370 mg/m3
		100 ppm

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

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	VLE	550 mg/m3
		100 ppm
	VME	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	VLE	375 mg/m3
		100 ppm
	VME	188 mg/m3
		50 ppm

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

Components	Type	Value
1-methoxy-2-acetoxypropane (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
Regulatory status: Regulatory binding (VRC)		

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

Components	Type	Value
Propylene glycol monomethyl ether (CAS 107-98-2)	VLE	375 mg/m3
Regulatory status: Regulatory binding (VRC)		
		100 ppm
Regulatory status: Regulatory binding (VRC)		
	VME	188 mg/m3
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), as updated

Components	Type	Value
(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	TWA	28 mg/m3
		5 ppm
1-methoxy-2-acetoxypropane (CAS 108-65-6)	TWA	270 mg/m3
		50 ppm
2-methoxypropanol (CAS 1589-47-5)	TWA	19 mg/m3
		5 ppm
2-methoxypropyl acetate (CAS 70657-70-4)	TWA	27 mg/m3
		5 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	TWA	370 mg/m3
		100 ppm

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

Components	Type	Value
(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	AGW	28 mg/m3
		5 ppm
1-methoxy-2-acetoxypropane (CAS 108-65-6)	AGW	270 mg/m3
		50 ppm
2-methoxypropanol (CAS 1589-47-5)	AGW	19 mg/m3
		5 ppm
2-methoxypropyl acetate (CAS 70657-70-4)	AGW	28 mg/m3
		5 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	AGW	370 mg/m3
		100 ppm

Greece. OELs, Presidential Decree No. 307/1986, as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm

Greece. OELs, Presidential Decree No. 307/1986, as amended

Components	Type	Value
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	1080 mg/m3
		300 ppm
	TWA	360 mg/m3
		100 ppm

Hungary. OELs. Decree on protection of workers exposed to chemical agents (5/2020. (II.6)), Annex 1&2, as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
	TWA	275 mg/m3
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
	TWA	375 mg/m3

Iceland. OELs. Regulation 390/2009 on Pollution Limits and Measures to Reduce Pollution at the Workplace, as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
2-methoxypropanol (CAS 1589-47-5)	TWA	75 mg/m3
		20 ppm
2-methoxypropyl acetate (CAS 70657-70-4)	TWA	110 mg/m3
		20 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	185 mg/m3
		50 ppm

Ireland. OELVs, Schedules 1 & 2, Code of Practice for Chemical Agents and Carcinogens Regulations

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Italy. OELs (Legislative Decree n.81, 9 April 2008), as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm

Italy. OELs (Legislative Decree n.81, 9 April 2008), as amended

Components	Type	Value
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Latvia. OELs. Occupational Exposure Limits of Chemical Substances at Workplace (Reg. No. 325/ 2007, L.V. 80, Annex 1), as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Lithuania. OELs. Occupational Exposure Limit Values for Chemical Substances (Hygiene Norm HN 23:2011; Order No. V-824/A1-389), as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	400 mg/m3
		75 ppm
	TWA	250 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	300 mg/m3
		75 ppm
	TWA	190 mg/m3
		50 ppm

Luxembourg. OELs. Binding Occupational Exposure Limit Values (Annex I), G.D.R. of 14 November 2016, OJ Memorial A, n ° 235/2016, as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Malta. OELs. Protection of Health and Safety of Workers from Risks related to Chemical Agents at Work (L.N 227/2003 Schedules I and V), as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm

Malta. OELs. Protection of Health and Safety of Workers from Risks related to Chemical Agents at Work (L.N 227/2003 Schedules I and V), as amended

Components	Type	Value
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Netherlands. OELs per Annex XIII of Working Conditions Regulation (Staatscourant no. 252, 29 December 2006), as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	TWA	550 mg/m3
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	563 mg/m3
	TWA	375 mg/m3

Norway. Regulation No. 1358 on Measures and Limit Values for Physical and Chemical Factors in Work Environment and Infection Groups for Biological Factors, as amended

Components	Type	Value
(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	TLV	140 mg/m3
		25 ppm
1-methoxy-2-acetoxypropane (CAS 108-65-6)	TLV	270 mg/m3
		50 ppm
2-methoxypropanol (CAS 1589-47-5)	TLV	75 mg/m3
		20 ppm
2-methoxypropyl acetate (CAS 70657-70-4)	TLV	110 mg/m3
		20 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	TLV	180 mg/m3
		50 ppm

Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	520 mg/m3
	TWA	260 mg/m3
2-methoxypropyl acetate (CAS 70657-70-4)	STEL	200 mg/m3
	TWA	100 mg/m3
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	360 mg/m3
	TWA	180 mg/m3

Portugal. Decree-Law No. 24/2012, Occupational Exposure Limit Values, Annex II, as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm

Portugal. Decree-Law No. 24/2012, Occupational Exposure Limit Values, Annex II, as amended

Components	Type	Value
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796-2014)

Components	Type	Value
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	100 ppm
	TWA	50 ppm

Romania. OELs. Limit Values of Chemical Agents at Workplace (Regulation 1.218/2006, M.O 845, Annex 1, 3&4, as amended)

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Slovakia. OELs. Maximum permissible exposure limits for chemical factors in workplace air (Regulation No 355/2006, Annex 1, Table 1, as amended)

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
2-methoxypropanol (CAS 1589-47-5)	TWA	19 mg/m3
		5 ppm
2-methoxypropyl acetate (CAS 70657-70-4)	STEL	220 mg/m3
		40 ppm
	TWA	110 mg/m3
		20 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Slovenia. OELs. Occupational Exposure Limits of Chemicals at Workplace (Reg. on Protection of Workers from Risks due to Exp. to Chemicals at Work, Annex I), as amended

Components	Type	Value
(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	TWA	28 mg/m3
		5 ppm
1-methoxy-2-acetoxypropane (CAS 108-65-6)	TWA	275 mg/m3
		50 ppm
2-methoxypropanol (CAS 1589-47-5)	TWA	19 mg/m3
		5 ppm
2-methoxypropyl acetate (CAS 70657-70-4)	TWA	28 mg/m3
		5 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	TWA	375 mg/m3
		100 ppm

Spain. OELs. INSST, Límites de Exposición Profesional Para Agentes Químicos, Table 1-Valores Límites Ambientales (VLAs)

Components	Type	Value
(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	TWA	168 mg/m3
		30 ppm
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
2-methoxypropanol (CAS 1589-47-5)	TWA	19 mg/m3
		5 ppm
2-methoxypropyl acetate (CAS 70657-70-4)	STEL	220 mg/m3
		40 ppm
	TWA	28 mg/m3
		5 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	Ceiling	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
2-methoxypropanol (CAS 1589-47-5)	STEL	300 mg/m3
		75 ppm
	TWA	190 mg/m3

Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended

Components	Type	Value
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	Ceiling	568 mg/m3
		150 ppm
	STEL	300 mg/m3
		75 ppm
	TWA	190 mg/m3
		50 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz: Aktuelle MAK-Werte

Components	Type	Value
(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	STEL	80 mg/m3
		14 ppm
	TWA	40 mg/m3
		7 ppm
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	275 mg/m3
		50 ppm
	TWA	275 mg/m3
		50 ppm
2-methoxypropanol (CAS 1589-47-5)	STEL	152 mg/m3
		40 ppm
	TWA	19 mg/m3
		5 ppm
2-methoxypropyl acetate (CAS 70657-70-4)	STEL	224 mg/m3
		40 ppm
	TWA	28 mg/m3
		5 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	720 mg/m3
		200 ppm
	TWA	360 mg/m3
		100 ppm

UK. OELs. Workplace Exposure Limits (WELs) (EH40/2005 (Fourth Edition 2020)), Table 1

Components	Type	Value
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	548 mg/m3
		100 ppm
	TWA	274 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	560 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 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
1-methoxy-2-acetoxypropane (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Propylene glycol monomethyl ether (CAS 107-98-2)	STEL	568 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

Biological limit values

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

Components	Value	Determinant	Specimen	Sampling Time
Propylene glycol monomethyl ether (CAS 107-98-2)	15 mg/l	1-Methoxypropan-2-ol	Urine	*

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

Switzerland. SUVA Grenzwerte am Arbeitsplatz: Aktuelle BAT-Werte

Components	Value	Determinant	Specimen	Sampling Time
Propylene glycol monomethyl ether (CAS 107-98-2)	20 mg/l	1-Methoxypropanol-2	Urine	*

* - 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

Austria MAK: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
2-methoxypropanol (CAS 1589-47-5)	Can be absorbed through the skin.
2-methoxypropyl acetate (CAS 70657-70-4)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Belgium OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Bulgaria OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Croatia ELVs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.

Czech Republic PELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
2-methoxypropyl acetate (CAS 70657-70-4)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Denmark GV: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Estonia OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

EU Exposure Limit Values: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Finland Exposure Limit Values: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

France INRS: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

France Mandatory OELs (VLEP): Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Germany DFG MAK (advisory): Skin designation

(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	Can be absorbed through the skin.
2-methoxypropanol (CAS 1589-47-5)	Can be absorbed through the skin.
2-methoxypropyl acetate (CAS 70657-70-4)	Can be absorbed through the skin.

Germany TRGS 900 Limit Values: Skin designation

(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	Can be absorbed through the skin.
2-methoxypropanol (CAS 1589-47-5)	Can be absorbed through the skin.
2-methoxypropyl acetate (CAS 70657-70-4)	Can be absorbed through the skin.

Greece OEL: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Hungary OELs: Skin designation

Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Iceland OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Ireland Exposure Limit Values: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.

Italy OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Danger of cutaneous absorption
Propylene glycol monomethyl ether (CAS 107-98-2)	Danger of cutaneous absorption

Latvia OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Lithuania OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Luxembourg OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Malta OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Netherlands OELs (binding): Skin designation

Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Norway Exposure Limit Values: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
2-methoxypropanol (CAS 1589-47-5)	Can be absorbed through the skin.
2-methoxypropyl acetate (CAS 70657-70-4)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Portugal OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.

Romania OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Slovakia OELs: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
2-methoxypropanol (CAS 1589-47-5)	Can be absorbed through the skin.
2-methoxypropyl acetate (CAS 70657-70-4)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	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)

(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	Can be absorbed through the skin.
1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
2-methoxypropanol (CAS 1589-47-5)	Can be absorbed through the skin.
2-methoxypropyl acetate (CAS 70657-70-4)	Can be absorbed through the skin.

Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Spain OELs: Skin designation

(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)	Can be absorbed through the skin.
1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Sweden Threshold Limit Values: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
2-methoxypropanol (CAS 1589-47-5)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

Switzerland SUVA Limit Values at the Workplace: Skin designation

2-methoxypropanol (CAS 1589-47-5)	Can be absorbed through the skin.
2-methoxypropyl acetate (CAS 70657-70-4)	Can be absorbed through the skin.

UK EH40 WEL: Skin designation

1-methoxy-2-acetoxypropane (CAS 108-65-6)	Can be absorbed through the skin.
Propylene glycol monomethyl ether (CAS 107-98-2)	Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls

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

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). Face shield is recommended.

Skin protection

- Hand protection

Wear appropriate chemical resistant gloves.

- Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

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. Contaminated work clothing should not be allowed out of the workplace.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Form	Liquid.
Color	Amber
Odor	Ether-like.
Melting point/freezing point	-139,9 °F (-95,5 °C) estimated
Boiling point or initial boiling point and boiling range	246,2 °F (119 °C) estimated
Flammability	Not applicable.
Upper/lower flammability or explosive limits	
Explosive limit - upper (%)	6,1 % estimated
Flash point	89,6 °F (32,0 °C) estimated
Auto-ignition temperature	458,6 °F (237 °C) estimated
Decomposition temperature	Not available.
pH	Not available.
Kinematic viscosity	Not available.

Solubility

Solubility (water)	Not available.
Partition coefficient (n-octanol/water) (log value)	Not available.
Vapor pressure	12 mm Hg @ 68 F 11,67 hPa estimated

Density and/or relative density

Density	0,91 g/cm3 estimated
Vapor 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

Specific gravity	0,91 estimated

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 heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong acids. Strong oxidizing agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
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	Headache. Dizziness. Nausea, vomiting. Diarrhea. May cause an allergic skin reaction. Dermatitis. Rash.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Not known.

Components	Species	Test Results
(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5)		
Acute		
Dermal		
LD50	Rabbit	> 5 g/kg
Oral		
LD50	Rat	5 g/kg
2-methoxypropanol (CAS 1589-47-5)		
Acute		
Dermal		
LD50	Rabbit	5660 mg/kg
Oral		
LD50	Rat	5710 mg/kg
Propylene glycol monomethyl ether (CAS 107-98-2)		
Acute		
Dermal		
LD50	Rabbit	13 - 14 g/kg

Components	Species	Test Results
Inhalation		
LC50	Rat	54,6000000000000014 mg/l, 4 Hours
Oral		
LD50	Rat	5,71 g/kg

Skin corrosion/irritation Due to partial or complete lack of data the classification is not possible.

Serious eye damage/eye irritation Due to partial or complete lack of data the classification is not possible.

Respiratory sensitization Due to partial or complete lack of data the classification is not possible.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

Carcinogenicity Due to partial or complete lack of data the classification is not possible.

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

2-methoxypropanol (CAS 1589-47-5)
2-methoxypropyl acetate (CAS 70657-70-4)

IARC Monographs. Overall Evaluation of Carcinogenicity

(R)-p-mentha-1,8-diene; d-limonene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - single exposure Not applicable.

Specific target organ toxicity - repeated exposure Due to partial or complete lack of data the classification is not possible.

Aspiration hazard Due to partial or complete lack of data the classification is not possible.

Mixture versus substance information No information 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 Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

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)

(R)-p-mentha-1,8-diene; d-limonene	4,57
Propylene glycol monomethyl ether	-0,49

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 No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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	UN1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	30
Tunnel restriction code	D/E
14.4. Packing group	III
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	UN1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	III
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	UN1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	III
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	UN1993
14.2. UN proper shipping name	Flammable liquid, n.o.s. (Propylene glycol monomethyl ether), Limited Quantity
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	No.
ERG Code	3L
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

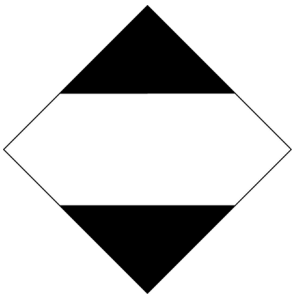
IMDG

14.1. UN number	UN1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Propylene glycol monomethyl ether), Limited Quantity
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-E
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.

ADN; ADR; RID

IATA

IMDG



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

Not listed.

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

Not listed.

UFI:

Austria: KQ05-51K0-E00Q-T2MU
Belgium: KQ05-51K0-E00Q-T2MU
Bulgaria: KQ05-51K0-E00Q-T2MU
Croatia: KQ05-51K0-E00Q-T2MU
Cyprus: KQ05-51K0-E00Q-T2MU
Czech Republic: KQ05-51K0-E00Q-T2MU
Denmark: KQ05-51K0-E00Q-T2MU
Estonia: KQ05-51K0-E00Q-T2MU
EU: KQ05-51K0-E00Q-T2MU
Finland: KQ05-51K0-E00Q-T2MU
France: KQ05-51K0-E00Q-T2MU
Germany: KQ05-51K0-E00Q-T2MU
Greece: KQ05-51K0-E00Q-T2MU
Hungary: KQ05-51K0-E00Q-T2MU
Iceland: KQ05-51K0-E00Q-T2MU
Ireland: KQ05-51K0-E00Q-T2MU
Italy: KQ05-51K0-E00Q-T2MU
Latvia: KQ05-51K0-E00Q-T2MU
Lithuania: KQ05-51K0-E00Q-T2MU
Luxembourg: KQ05-51K0-E00Q-T2MU
Malta: KQ05-51K0-E00Q-T2MU
Netherlands: KQ05-51K0-E00Q-T2MU
Norway: KQ05-51K0-E00Q-T2MU
Poland: KQ05-51K0-E00Q-T2MU
Portugal: KQ05-51K0-E00Q-T2MU
Romania: KQ05-51K0-E00Q-T2MU
Slovakia: KQ05-51K0-E00Q-T2MU
Slovenia: KQ05-51K0-E00Q-T2MU
Spain: KQ05-51K0-E00Q-T2MU
Sweden: KQ05-51K0-E00Q-T2MU

Authorizations

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 - Conditions of restriction given for the associated entry number should be considered

2-methoxypropanol (CAS 1589-47-5)
2-methoxypropyl acetate (CAS 70657-70-4)

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

2-methoxypropanol (CAS 1589-47-5)
2-methoxypropyl acetate (CAS 70657-70-4)

Other EU regulations

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

ANNEX 1, PART 1 Categories of dangerous substances
Hazard categories in accordance with Regulation (EC) No 1272/2008
- P5a, b or c FLAMMABLE LIQUIDS

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

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

France regulations

France INRS Table of Occupational Diseases

2-methoxypropanol (CAS 1589-47-5)	Affections engendrées par les solvants organiques liquides à usage professionnel : hydrocarbures liquides aliphatiques ou cycliques saturés ou insaturés et leurs mélanges; hydrocarbures halogénés liquides; dérivés nitrés des hydrocarbures aliphatiques; al 84

Propylene glycol monomethyl ether (CAS 107-98-2)	Affections engendrées par les solvants organiques liquides à usage professionnel : hydrocarbures liquides aliphatiques ou cycliques saturés ou insaturés et leurs mélanges; hydrocarbures halogénés liquides; dérivés nitrés des hydrocarbures aliphatiques; al 84

Product registration number

Austria	UFI: KQ05-51K0-E00Q-T2MU
Belgium	UFI: KQ05-51K0-E00Q-T2MU
Czech Republic	UFI: KQ05-51K0-E00Q-T2MU
Denmark	UFI: KQ05-51K0-E00Q-T2MU
European Union	UFI: KQ05-51K0-E00Q-T2MU
Finland	UFI: KQ05-51K0-E00Q-T2MU
France	UFI: KQ05-51K0-E00Q-T2MU
Germany	UFI: KQ05-51K0-E00Q-T2MU
Greece	UFI: KQ05-51K0-E00Q-T2MU
Hungary	UFI: KQ05-51K0-E00Q-T2MU
Italy	UFI: KQ05-51K0-E00Q-T2MU
Netherlands	UFI: KQ05-51K0-E00Q-T2MU
Norway	UFI: KQ05-51K0-E00Q-T2MU
Poland	UFI: KQ05-51K0-E00Q-T2MU
Portugal	UFI: KQ05-51K0-E00Q-T2MU
Slovakia	UFI: KQ05-51K0-E00Q-T2MU
Slovenia	UFI: KQ05-51K0-E00Q-T2MU
Spain	UFI: KQ05-51K0-E00Q-T2MU
Sweden	UFI: KQ05-51K0-E00Q-T2MU
Switzerland	UFI: KQ05-51K0-E00Q-T2MU

15.2. Chemical safety assessment No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
CAS: Chemical Abstract Service.
CEN: European Committee for Standardization.
IATA: International Air Transport Association.
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
IMDG: International Maritime Dangerous Goods.
MAC: Maximum Allowed Concentration.
MARPOL: International Convention for the Prevention of Pollution from Ships.
PBT: Persistent, bioaccumulative and toxic.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
STEL: Short term exposure limit.
TLV: Threshold Limit Value.
TWA: Time Weighted Average.
VLE: Exposure Limit Value.
VME: Exposure Average Value.
vPvB: Very persistent and very bioaccumulative.

References Not available.

Information on evaluation method leading to the classification of mixture The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements, which are not written out in full under sections 2 to 15

H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H360D May damage the unborn child.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Revision information	None.
Training information	Follow training instructions when handling this material.
Disclaimer	ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.