

Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Article 31, Annex II, as amended by Commission Regulation (EU) 2020/878

OIL-PUR 10,30,60,90 GLOSS

Date of first edition: 7/13/2021

Safety Data Sheet dated 11/07/2023

version 4

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

1.1. Product identifier

Mixture identification:

Trade name: OIL-PUR 10,30,60,90 GLOSS

Trade code: 001016020 -4

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

Recommended use: Paints/coatings - Protective and functional

Uses advised against: All uses other than recommended ones

1.3. Details of the supplier of the safety data sheet

Company: KERAKOLL S.p.A.

Via dell'Artigianato, 9

41049 Sassuolo (MODENA) - ITALY

Tel. +39 0536 816511 Fax. +39 0536816581

safety@kerakoll.com

1.4. Emergency telephone number

European emergency phone number 112

Ireland Poison information centre: 01 809 2166 (Daily 8am-10pm) In case of emergency call 999 or 112

Malta In case of emergency call: +356 2395 2000 (24h)

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Flam. Liq. 3 Flammable liquid and vapour.

STOT SE 3 May cause drowsiness or dizziness.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms and Signal Word



Warning

Hazard statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe vapours.

P280 Wear protective gloves and eye protection.

P370+P378 In case of fire, use water to extinguish.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

2-methoxy-1-methylethyl acetate

Dir. 2004/42/EC (VOC directive)

One-pack performance coatings

EU limit value for this product (cat. A/i): 500 g/l

This product contains max 499.90 g/l VOC.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients**3.1. Substances**

N.A.

3.2. Mixtures

Mixture identification: OIL-PUR 10,30,60,90 GLOSS

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
25-50 %		EC:919-857-5	Asp. Tox. 1, H304; Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	01-2119463258-33
10-19,9 %	2-methoxy-1-methylethyl acetate	CAS:108-65-6 EC:203-603-9	Flam. Liq. 3, H226; STOT SE 3, H336	01-2119475791-29
< 1 %	xylene	CAS:1330-20-7 EC:215-535-7 Index:601-022-00-9	Flam. Liq. 3, H226; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 3, H412; Eye Irrit. 2, H319, M-Chronic:1	01-2119488216-32
< 0,2 %	isobutyl acetate	CAS:110-19-0 EC:203-745-1 Index:607-026-00-7	Flam. Liq. 2, H225; STOT SE 3, H336, EUH066	
< 0,2 %	ethylbenzene	CAS:100-41-4 EC:202-849-4 Index:601-023-00-4	Flam. Liq. 2, H225; Acute Tox. 4, H332; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 3, H412	01-2119489370-35
< 0,1 %	(2-methoxymethylethoxy)propanol	CAS:34590-94-8 EC:252-104-2	Substance with a Union workplace exposure limit.	01-2119450011-60

SECTION 4: First aid measures**4.1. Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

N.A.

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use water to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

7.2. Conditions for safe storage, including any incompatibilities

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
2-methoxy-1-methylethyl acetate CAS: 108-65-6	NATIONAL	GERMANY	Long Term: 300 mg/m ³ - 50 ppm; Short Term: 600 mg/m ³ - 100 ppm DFG
	NATIONAL	POLAND	Long Term: 300 mg/m ³ ; Short Term: 900 mg/m ³
	NATIONAL	SWITZERLAND	Long Term: 300 mg/m ³ - 50 ppm; Short Term: 600 mg/m ³ - 100 ppm
	NATIONAL	AUSTRALIA	Long Term: 274 mg/m ³ - 50 ppm; Short Term: 548 mg/m ³ - 100 ppm
	NATIONAL	SWITZERLAND	Long Term: 275 mg/m ³ - 50 ppm; Short Term: 275 mg/m ³ - 50 ppm
	NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 274 mg/m ³ - 50 ppm; Short Term: 548 mg/m ³ - 100 ppm
	EU		Long Term: 275 mg/m ³ - 50 ppm; Short Term: 550 mg/m ³ - 100 ppm Skin
	NATIONAL	AUSTRIA	Long Term: 275 mg/m ³ - 50 ppm; Short Term: Ceiling - 550 mg/m ³ - 100 ppm 5(Mow), 8x, MAK, H
	NATIONAL	BULGARIA	Long Term: 275 mg/m ³ - 50 ppm; Short Term: 550 mg/m ³ - 100 ppm ???
	NATIONAL	CZECHIA	Long Term: 270 mg/m ³ ; Short Term: Ceiling - 550 mg/m ³ D, I
	NATIONAL	DENMARK	Long Term: 275 mg/m ³ - 50 ppm EH
	NATIONAL	ESTONIA	Long Term: 275 mg/m ³ - 50 ppm; Short Term: 550 mg/m ³ - 100 ppm A, S
	NATIONAL	FINLAND	Long Term: 270 mg/m ³ - 50 ppm; Short Term: 550 mg/m ³ - 100 ppm iho
	NATIONAL	FRANCE	Long Term: 275 mg/m ³ - 50 ppm; Short Term: 550 mg/m ³ - 100 ppm Risque de pénétration percutanée
	NATIONAL	GREECE	Long Term: 275 mg/m ³ - 50 ppm; Short Term: 550 mg/m ³ - 100 ppm ?
	NATIONAL	HUNGARY	Long Term: 275 mg/m ³ ; Short Term: 550 mg/m ³ EU1, N
	NATIONAL	LITHUANIA	Long Term: 250 mg/m ³ - 50 ppm; Short Term: 400 mg/m ³ - 75 ppm O
	NATIONAL	NETHERLANDS	Long Term: 550 mg/m ³
	NATIONAL	NORWAY	Long Term: 270 mg/m ³ - 50 ppm H E
	NATIONAL	POLAND	Long Term: 260 mg/m ³ ; Short Term: 520 mg/m ³ skóra
	NATIONAL	SLOVAKIA	Long Term: 275 mg/m ³ - 50 ppm; Short Term: 550 mg/m ³ - 100 ppm K
	NATIONAL	SWEDEN	Long Term: 275 mg/m ³ - 50 ppm; Short Term: 550 mg/m ³ - 100 ppm H
	NATIONAL	BELGIUM	Long Term: 275 mg/m ³ - 50 ppm; Short Term: 550 mg/m ³ - 100 ppm D
	NATIONAL	CROATIA	Long Term: 275 mg/m ³ - 50 ppm; Short Term: 550 mg/m ³ - 100 ppm koža

xylene
CAS: 1330-20-7

NATIONAL	CYPRUS	Long Term: 275 mg/m3 - 50 ppm; Short Term: 550 mg/m3 - 100 ppm d??µa
NATIONAL	GERMANY	Long Term: 270 mg/m3 - 50 ppm DFG, EU, Y, 1(I)
NATIONAL	IRELAND	Long Term: 275 mg/m3 - 50 ppm; Short Term: 550 mg/m3 - 100 ppm Sk, IOELV
NATIONAL	ITALY	Long Term: 275 mg/m3 - 50 ppm; Short Term: 550 mg/m3 - 100 ppm Cute
NATIONAL	LATVIA	Long Term: 275 mg/m3 - 50 ppm; Short Term: 550 mg/m3 - 100 ppm Ada
NATIONAL	LUXEMBOUR G	Long Term: 275 mg/m3 - 50 ppm; Short Term: 550 mg/m3 - 100 ppm Peau
NATIONAL	MALTA	Long Term: 275 mg/m3 - 50 ppm; Short Term: 550 mg/m3 - 100 ppm skin
NATIONAL	PORTUGAL	Long Term: 275 mg/m3 - 50 ppm; Short Term: 550 mg/m3 - 100 ppm Cutânea
NATIONAL	ROMANIA	Long Term: 275 mg/m3 - 50 ppm; Short Term: 550 mg/m3 - 100 ppm P, Dir. 2000/39
NATIONAL	SLOVENIA	Long Term: 275 mg/m3 - 50 ppm; Short Term: 550 mg/m3 - 100 ppm K, Y, EU1
NATIONAL	SPAIN	Long Term: 275 mg/m3 - 50 ppm; Short Term: 550 mg/m3 - 100 ppm vía dérmica, VLI
NATIONAL	SWITZERLAN D	Long Term: 435 mg/m3 - 100 ppm; Short Term: 870 mg/m3 - 200 ppm
NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 220 mg/m3 - 50 ppm; Short Term: 441 mg/m3 - 100 ppm
ACGIH		Long Term: 20 ppm A4, BEI - URT and eye irr; hematologic eff; CNS impair
EU		Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm Skin
NATIONAL	AUSTRIA	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm 15(Miw), 4x, MAK
NATIONAL	BULGARIA	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm ????
NATIONAL	CZECHIA	Long Term: 200 mg/m3; Short Term: Ceiling - 400 mg/m3 B, D, I
NATIONAL	DENMARK	Long Term: 109 mg/m3 - 25 ppm EH
NATIONAL	ESTONIA	Long Term: 200 mg/m3 - 50 ppm; Short Term: 450 mg/m3 - 100 ppm A
NATIONAL	FINLAND	Long Term: 220 mg/m3 - 50 ppm; Short Term: 440 mg/m3 - 100 ppm iho
NATIONAL	FRANCE	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm Risque de pénétration percutanée
NATIONAL	GREECE	Long Term: 435 mg/m3 - 100 ppm; Short Term: 650 mg/m3 - 150 ppm ?
NATIONAL	HUNGARY	Long Term: 221 mg/m3; Short Term: 442 mg/m3 b, BEM, EU1, R
NATIONAL	LITHUANIA	Long Term: 200 mg/m3 - 50 ppm; Short Term: 450 mg/m3 - 100 ppm O

NATIONAL	NETHERLAND S	Long Term: 210 mg/m3; Short Term: 442 mg/m3 H
NATIONAL	NORWAY	Long Term: 108 mg/m3 - 25 ppm H E
NATIONAL	POLAND	Long Term: 100 mg/m3; Short Term: 200 mg/m3 skóra
NATIONAL	SLOVAKIA	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm K, 7)
NATIONAL	SWEDEN	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm H
NATIONAL	BELGIUM	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm D
NATIONAL	CROATIA	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm koža
NATIONAL	CYPRUS	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm d??µa
NATIONAL	GERMANY	Long Term: 220 mg/m3 - 50 ppm DFG, EU, H, 2(II)
NATIONAL	IRELAND	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm Sk, IOELV
NATIONAL	ITALY	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm Cute
NATIONAL	LATVIA	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm Ada
NATIONAL	LUXEMBOUR G	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm Peau
NATIONAL	MALTA	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm skin
NATIONAL	PORTUGAL	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm Cutânea
NATIONAL	ROMANIA	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm P, Dir. 2000/39
NATIONAL	SLOVENIA	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm K, BAT, EU1
NATIONAL	SPAIN	Long Term: 221 mg/m3 - 50 ppm; Short Term: 442 mg/m3 - 100 ppm vía dérmica, VLB®, VLI
NATIONAL	AUSTRALIA	Long Term: 713 mg/m3 - 150 ppm
NATIONAL	SWITZERLAN D	Long Term: 480 mg/m3 - 100 ppm; Short Term: 960 mg/m3 - 200 ppm
NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 724 mg/m3 - 150 ppm; Short Term: 903 mg/m3 - 187 ppm
ACGIH		Long Term: 50 ppm; Short Term: 150 ppm Eye and URT irr
EU		Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	AUSTRIA	Long Term: 241 mg/m3 - 50 ppm; Short Term: Ceiling - 480 mg/m3 - 100 ppm Mow, MAK
NATIONAL	BULGARIA	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	CZECHIA	Long Term: 241 mg/m3; Short Term: Ceiling - 723 mg/m3
NATIONAL	DENMARK	Long Term: 241 mg/m3 - 50 ppm E

isobutyl acetate
CAS: 110-19-0

NATIONAL	ESTONIA	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	FINLAND	Long Term: 240 mg/m3 - 50 ppm; Short Term: 725 mg/m3 - 150 ppm
NATIONAL	FRANCE	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	HUNGARY	Long Term: 241 mg/m3; Short Term: 723 mg/m3 i, sz, EU7, N
NATIONAL	NETHERLAND S	Long Term: 241 mg/m3; Short Term: 723 mg/m3
NATIONAL	POLAND	Long Term: 240 mg/m3; Short Term: 720 mg/m3
NATIONAL	SLOVAKIA	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	SWEDEN	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	BELGIUM	Long Term: 238 mg/m3 - 50 ppm; Short Term: 712 mg/m3 - 150 ppm
NATIONAL	CROATIA	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	CYPRUS	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	GERMANY	Long Term: 300 mg/m3 - 62 ppm Y, AGS, 2 (I)
NATIONAL	GREECE	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	IRELAND	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm IOELV
NATIONAL	IRELAND	Long Term: 700 mg/m3 - 150 ppm
NATIONAL	ITALY	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	LATVIA	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	LUXEMBOUR G	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	MALTA	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	PORTUGAL	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm
NATIONAL	ROMANIA	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm Dir. 2019/1.831
NATIONAL	SLOVENIA	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm Y, EU5
NATIONAL	SPAIN	Long Term: 241 mg/m3 - 50 ppm; Short Term: 723 mg/m3 - 150 ppm VLI
NATIONAL	BELGIUM	Long Term: 87 mg/m3 - 20 ppm; Short Term: 551 mg/m3 - 125 ppm
NATIONAL	SWITZERLAN D	Long Term: 435 mg/m3 - 100 ppm; Short Term: 435 mg/m3 - 100 ppm
NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 441 mg/m3 - 100 ppm; Short Term: 552 mg/m3 - 125 ppm
ACGIH		Long Term: 20 ppm OTO; A3, BEI - URT & eye irr; ototoxicity; kidney eff; CNS impair
EU		Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm Skin
NATIONAL	AUSTRIA	Long Term: 440 mg/m3 - 100 ppm; Short Term: Ceiling - 880 mg/m3 - 200 ppm 5(Mow), 8x, MAK, H
NATIONAL	BULGARIA	Long Term: 435 mg/m3; Short Term: 545 mg/m3 ????
NATIONAL	CZECHIA	Long Term: 200 mg/m3; Short Term: Ceiling - 500 mg/m3 D, B
NATIONAL	DENMARK	Long Term: 217 mg/m3 - 50 ppm EHK
NATIONAL	ESTONIA	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm A, S

ethylbenzene
CAS: 100-41-4

NATIONAL	FINLAND	Long Term: 220 mg/m3 - 50 ppm; Short Term: 880 mg/m3 - 200 ppm iho
NATIONAL	FRANCE	Long Term: 88.4 mg/m3 - 20 ppm; Short Term: 442 mg/m3 - 100 ppm Risque de pénétration percutanée
NATIONAL	GREECE	Long Term: 435 mg/m3 - 100 ppm; Short Term: 545 mg/m3 - 125 ppm
NATIONAL	HUNGARY	Long Term: 442 mg/m3; Short Term: 884 mg/m3 b, i, BEM, EU1, T
NATIONAL	LITHUANIA	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm O
NATIONAL	NETHERLANDS	Long Term: 215 mg/m3; Short Term: 430 mg/m3 H
NATIONAL	NORWAY	Long Term: 20 mg/m3 - 5 ppm H K E
NATIONAL	POLAND	Long Term: 200 mg/m3; Short Term: 400 mg/m3 skóra
NATIONAL	SLOVAKIA	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm K, 7)
NATIONAL	SWEDEN	Long Term: 220 mg/m3 - 50 ppm; Short Term: 884 mg/m3 - 200 ppm H
NATIONAL	CROATIA	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm koža
NATIONAL	CYPRUS	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm d??µa
NATIONAL	GERMANY	Long Term: 88 mg/m3 - 20 ppm DFG, H, Y, EU, 2(II)
NATIONAL	IRELAND	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm Sk, IOELV
NATIONAL	ITALY	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm Cute
NATIONAL	LATVIA	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm Ada; Ietekme uz dzirdi
NATIONAL	LUXEMBOURG	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm Peau
NATIONAL	MALTA	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm skin
NATIONAL	PORTUGAL	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm Cutânea
NATIONAL	ROMANIA	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm P, Dir. 2000/39
NATIONAL	SLOVENIA	Long Term: 442 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm K, Y, BAT, EKA EU1
NATIONAL	SPAIN	Long Term: 441 mg/m3 - 100 ppm; Short Term: 884 mg/m3 - 200 ppm vía dérmica, VLB®, VLI
(2-methoxymethylethoxy) propanol CAS: 34590-94-8	ACGIH	Long Term: 50 ppm Liver & CNS eff
	EU	Long Term: 308 mg/m3 - 50 ppm Skin
	NATIONAL	BELGIUM Long Term: 308 mg/m3 - 50 ppm D
	NATIONAL	CROATIA Long Term: 308 mg/m3 - 50 ppm koža
	NATIONAL	CYPRUS Long Term: 308 mg/m3 - 50 ppm d??µa

NATIONAL	GERMANY	Long Term: 310 mg/m3 - 50 ppm DFG, EU, 11, 1(I)
NATIONAL	IRELAND	Long Term: 308 mg/m3 - 50 ppm Sk, IOELV
NATIONAL	ITALY	Long Term: 308 mg/m3 - 50 ppm Cute
NATIONAL	LATVIA	Long Term: 308 mg/m3 - 50 ppm Ada
NATIONAL	LUXEMBOUR G	Long Term: 308 mg/m3 - 50 ppm Peau
NATIONAL	MALTA	Long Term: 308 mg/m3 - 50 ppm skin
NATIONAL	PORTUGAL	Long Term: 308 mg/m3 - 50 ppm Cutânea
NATIONAL	ROMANIA	Long Term: 308 mg/m3 - 50 ppm P, Dir. 2000/39
NATIONAL	SLOVENIA	Long Term: 308 mg/m3 - 50 ppm; Short Term: 308 mg/m3 - 50 ppm K, EU1
NATIONAL	SPAIN	Long Term: 308 mg/m3 - 50 ppm via dérmica, VLI
NATIONAL	AUSTRIA	Long Term: 307 mg/m3 - 50 ppm; Short Term: Ceiling - 614 mg/m3 - 100 ppm 5(Mow), 8x, MAK, H
NATIONAL	BULGARIA	Long Term: 308 mg/m3 - 50 ppm ????
NATIONAL	CZECHIA	Long Term: 270 mg/m3; Short Term: Ceiling - 550 mg/m3 D
NATIONAL	DENMARK	Long Term: 309 mg/m3 - 50 ppm EH
NATIONAL	ESTONIA	Long Term: 308 mg/m3 - 50 ppm A
NATIONAL	FINLAND	Long Term: 310 mg/m3 - 50 ppm iho
NATIONAL	FRANCE	Long Term: 308 mg/m3 - 50 ppm Risque de pénétration percutanée
NATIONAL	GREECE	Long Term: 600 mg/m3 - 100 ppm; Short Term: 900 mg/m3 - 150 ppm ?
NATIONAL	HUNGARY	Long Term: 308 mg/m3 EU1, R
NATIONAL	LITHUANIA	Long Term: 300 mg/m3 - 50 ppm; Short Term: 450 mg/m3 - 75 ppm O
NATIONAL	NETHERLAND S	Long Term: 300 mg/m3
NATIONAL	NORWAY	Long Term: 300 mg/m3 - 50 ppm H E
NATIONAL	POLAND	Long Term: 240 mg/m3; Short Term: 480 mg/m3 skóra
NATIONAL	SLOVAKIA	Long Term: 308 mg/m3 - 50 ppm K
NATIONAL	SWEDEN	Long Term: 300 mg/m3 - 50 ppm; Short Term: 450 mg/m3 - 75 ppm H, V

Biological limit values

xylene
CAS: 1330-20-7

Biological Indicator: Methyl hippuric acid in urine; Sampling Period: End of turn
Value: 2000 mg/L; Medium: Urine

Predicted No Effect Concentration (PNEC) values

2-methoxy-1-methylethyl acetate
CAS: 108-65-6

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 6.35 mg/l
Exposure Route: Marine water; PNEC Limit: 63.5 µg/l
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/l
Exposure Route: Freshwater sediments; PNEC Limit: 3.29 mg/kg
Exposure Route: Marine water sediments; PNEC Limit: 329 µg/kg
Exposure Route: Soil; PNEC Limit: 290 µg/kg
Exposure Route: Fresh Water; PNEC Limit: 327 µg/l

xylene
CAS: 1330-20-7

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 327 µg/l
Exposure Route: Marine water; PNEC Limit: 327 µg/l
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 6.58 mg/l
Exposure Route: Freshwater sediments; PNEC Limit: 12.46 mg/kg
Exposure Route: Marine water sediments; PNEC Limit: 12.46 mg/kg
Exposure Route: Soil; PNEC Limit: 2.31 mg/kg

isobutyl acetate
CAS: 110-19-0

Exposure Route: Fresh Water; PNEC Limit: 170 µg/l

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 340 µg/l
Exposure Route: Marine water; PNEC Limit: 17 µg/l
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 200 mg/l
Exposure Route: Freshwater sediments; PNEC Limit: 877 µg/kg
Exposure Route: Marine water sediments; PNEC Limit: 87.7 µg/kg
Exposure Route: Soil; PNEC Limit: 75.5 µg/kg
Exposure Route: Fresh Water; PNEC Limit: 100 µg/l

ethylbenzene
CAS: 100-41-4

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 100 µg/l
Exposure Route: Marine water; PNEC Limit: 55 µg/l
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 9.6 mg/l
Exposure Route: Freshwater sediments; PNEC Limit: 13.7 mg/kg
Exposure Route: Marine water sediments; PNEC Limit: 1.37 mg/kg
Exposure Route: Soil; PNEC Limit: 2.68 mg/kg
Exposure Route: Secondary poisoning; PNEC Limit: 20 mg/kg

Derived No Effect Level (DNEL) values

2-methoxy-1-methylethyl acetate
CAS: 108-65-6

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Professional: 275 mg/m³; Consumer: 33 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects
Worker Professional: 550 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Consumer: 33 mg/m³

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Professional: 796 mg/kg; Consumer: 320 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 36 mg/kg

xylene
CAS: 1330-20-7

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Professional: 221 mg/m³; Consumer: 65.3 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects
Worker Professional: 442 mg/m³; Consumer: 260 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Professional: 221 mg/m³; Consumer: 65.3 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects

Worker Professional: 442 mg/m³; Consumer: 260 mg/m³

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Professional: 212 mg/kg; Consumer: 125 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 12.5 mg/kg

ethylbenzene
CAS: 100-41-4

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Professional: 77 mg/m³; Consumer: 15 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Professional: 293 mg/m³

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Professional: 180 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Worker Professional: 1.6 mg/kg

(2-methoxymethylethoxy)
propanol
CAS: 34590-94-8

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Nitrile rubber .

Respiratory protection:

Gas filter type A .

Thermal Hazards:

N.A.

Environmental exposure controls:

N.A.

Hygienic and Technical measures

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State: Liquid

Colour: Light yellow

Odour: Characteristic

Odour threshold: N.A.

pH: Not Relevant

Kinematic viscosity: > 20,5 mm²/sec (40 °C)

Melting point / freezing point: N.A.

Initial boiling point and boiling range: > 35 °C (95 °F)

Flash point: 23°C / 60°C

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Vapour pressure: N.A.

Relative density: 0.92 g/cm³

Solubility in water: Immiscible

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Flammability: The product is classified Flam. Liq. 3 H226

Volatile Organic compounds - VOCs = 54.34 % ; 499.90 g/l

Particle characteristics:

Particle size: N.A.

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Data not available.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: STOT SE 3(H336)
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

a) acute toxicity	LD50 Oral Rat > 5000 mg/kg LC50 Inhalation Vapour Rat > 5000 mg/m3 8h LD50 Skin Rabbit > 2000 mg/kg 24h	
b) skin corrosion/irritation	Skin Irritant Rabbit Negative 4h	
c) serious eye damage/irritation	Eye Irritant Rabbit No	
d) respiratory or skin sensitisation	Skin Sensitization Guinea pig Negative	
f) carcinogenicity	Genotoxicity Rat Negative Carcinogenicity Inhalation Rat Positive	Inhalation route
g) reproductive toxicity	No Observed Adverse Effect Level Rat > 20000 mg/m3	

2-methoxy-1-methylethyl acetate	a) acute toxicity	LD50 Oral Rat = 6190 mg/kg LD50 Skin Rabbit > 5000 mg/kg 24h
	b) skin corrosion/irritation	Skin Irritant Rabbit Negative 4h
	c) serious eye	Eye Irritant Rabbit No

	damage/irritation		
	d) respiratory or skin sensitisation	Skin Sensitization Guinea pig Negative	
	g) reproductive toxicity	No Observed Effect Level Rat = 3.69 mg/l	Inhalation route
xylene	a) acute toxicity	LD50 Oral Rat = 3523 ml/Kg LC50 Inhalation Vapour Rat = 29000 mg/m ³ 4h LD50 Skin Rabbit = 12126 mg/kg 24h	
	b) skin corrosion/irritation	Skin Corrosive Rabbit Negative 4h	
	c) serious eye damage/irritation	Eye Irritant Rabbit Yes 1h	
	f) carcinogenicity	Genotoxicity Negative	Mouse subcutaneous route
	g) reproductive toxicity	No Observed Adverse Effect Level Inhalation Rat = 2171 mg/kg	
isobutyl acetate	a) acute toxicity	LD50 Oral Rat = 13413 mg/kg LC50 Inhalation Vapour Rat = 30 mg/l 4h LD50 Skin Rabbit > 17400 mg/kg 24h	
	b) skin corrosion/irritation	Skin Irritant Rabbit Negative 4h	
	c) serious eye damage/irritation	Eye Irritant Rabbit No	
	d) respiratory or skin sensitisation	Skin Sensitization Guinea pig Negative	
	f) carcinogenicity	Genotoxicity Negative	Mouse oral route
	g) reproductive toxicity	No Observed Adverse Effect Level Inhalation Rat = 7400 mg/m ³	
ethylbenzene	a) acute toxicity	LD50 Oral Rat = 3500 mg/kg LC50 Inhalation Mouse = 1432 Ppm LD50 Skin Rabbit = 17.8 ml/Kg	
	b) skin corrosion/irritation	Skin Irritant Rabbit Positive 24h	
	c) serious eye damage/irritation	Eye Irritant Rabbit Yes	
	f) carcinogenicity	Genotoxicity Negative 24h	Mouse oral route
	g) reproductive toxicity	No Observed Adverse Effect Level Inhalation Rat = 100	ppm

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
	EINECS: 919-857-5	a) Aquatic acute toxicity : LL50 Fish <i>Oncorhynchus mykiss</i> = 10 mg/L 96h a) Aquatic acute toxicity : EL50 <i>Daphnia magna</i> = 4.5 mg/L 48h b) Aquatic chronic toxicity : NOELR <i>Daphnia magna</i> = 2.6 mg/L -

		21days	
		a) Aquatic acute toxicity : NOELR Algae Pseudokirchnerella subcapitata = 0.5 mg/L 72h	
2-methoxy-1-methylethyl acetate	CAS: 108-65-6 - EINECS: 203-603-9	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 130 mg/L 96h OECD guideline 203	
		b) Aquatic chronic toxicity : NOEC Fish Oryzias latipes = 47.5 mg/L OECD guideline 204 - 14days	
		a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 408 mg/L 48h OECD guideline 202	
		b) Aquatic chronic toxicity : NOEC Daphnia Daphnia magna > 100 mg/L OECD guideline 211 - 24days	
		a) Aquatic acute toxicity : NOEC Algae Selenastrum capricornutum >= 1000 mg/L OECD guideline 201	
xylene	CAS: 1330-20-7 - EINECS: 215-535-7 - INDEX: 601-022-00-9	a) Aquatic acute toxicity : LC50 Fish freshwater fish = 2.6 mg/L 96h OECD 203	
		b) Aquatic chronic toxicity : NOEC Fish freshwater fish = 1.3 mg/L - 56days	
		a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 1 mg/L 24h OECD 202	
		b) Aquatic chronic toxicity : NOEC Daphnia Ceriodaphnia dubia = 0.96 mg/L - 7days	
		a) Aquatic acute toxicity : EC50 Algae freshwater algae = 1.3 mg/L 48h OECD 201	
		a) Aquatic acute toxicity : EC50 microorganisms = 96 mg/L OECD 301F	
		d) Terrestrial toxicity : NOEC Worm earthworms = 16 mg/kg - 14days	
		e) Plant toxicity : LC50 terrestrial plants = 1 mg/kg - 14days	
isobutyl acetate	CAS: 110-19-0 - EINECS: 203-745-1 - INDEX: 607-026-00-7	a) Aquatic acute toxicity : LC50 Fish Oryzias latipes = 17 mg/L 96h OECD TG 203	
		a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 25 mg/L 48h OECD 202	
		b) Aquatic chronic toxicity : NOEC Daphnia Daphnia magna = 23 mg/L OECD 211 - 21days	
		a) Aquatic acute toxicity : EC50 Algae Pseudokirchnerella subcapitata = 397 mg/L 72h OECD 201	
		c) Bacteria toxicity : NOEC Pseudomonas putida = 200 mg/L	
ethylbenzene	CAS: 100-41-4 - EINECS: 202-849-4 - INDEX: 601-023-00-4	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 4.2 mg/L 96h	
		a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 1.8 mg/L 48h	
		b) Aquatic chronic toxicity : NOEC Daphnia Ceriodaphnia dubia = 1 mg/L - 7days	
		a) Aquatic acute toxicity : EC50 Algae Selenastrum capricornutum = 3.6 mg/L 96h	
		c) Bacteria toxicity : EC50 > 96 mg/L 24h	
		d) Terrestrial toxicity : LC50 Worm Eisenia fetida = 4.93 µg/L 48h OECD TG 207	

12.2. Persistence and degradability

Component	Persitence/Degradability:	Test	Value	Notes:
2-methoxy-1-methylethyl acetate	Readily biodegradable	Dissolved organic carbon		OECD GL 301E
xylene	Readily biodegradable			
isobutyl acetate	Readily biodegradable		74.000	

ethylbenzene Readily biodegradable CO2 production

12.3. Bioaccumulative potential

Component	Bioaccumulation	Test	Value	Notes:
xylene	Bioaccumulative	BCF - Bioconcentration factor	25.900	
isobutyl acetate	Bioaccumulative	BCF - Bioconcentration factor	15.000	
ethylbenzene	Bioaccumulative	BCF - Bioconcentration factor	110.000 L/kg ww	

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration $\geq 0.1\%$

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7. Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force. Disposal through discharge into wastewater is not permitted

A waste code according to the European List of Wastes (LoW) cannot be specified, due to dependence on the usage. Contact an authorized waste disposal service.

Properties of waste which render it hazardous (Annex III, Directive 2008/98/EC):

N.A.

SECTION 14: Transport information

14.1. UN number or ID number

1263

14.2. UN proper shipping name

ADR-Shipping Name: PAINT RELATED MATERIAL
IATA-Technical name: PAINT RELATED MATERIAL
IMDG-Technical name: PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR-Class: 3
IATA-Class: 3
IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III

14.5. Environmental hazards

Marine pollutant: No
Environmental Pollutant: No
IMDG-EMS: F-E, S-E

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: 3
ADR - Hazard identification number: 30
ADR-Special Provisions: 163 367 650
ADR-Transport category (Tunnel restriction code): 3 (D/E)
ADR Limited Quantities: 5 L
ADR Excepted Quantities: E1

Air (IATA):

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366
IATA-Label: 3
IATA-Subsidiary hazards: -
IATA-Erg: 3L
IATA-Special Provisions: A3 A72 A192

Sea (IMDG):

IMDG-Stowage Code: Category A
IMDG-Stowage Note: -
IMDG-Subsidiary hazards: -
IMDG-Special Provisions: 163 223 367 955

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)
Regulation (EC) nr 648/2004 (Detergents).

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40
Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1	Lower-tier threshold (tonnes)	Upper-tier threshold (tonnes)
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Product belongs to category: P5c	5000	50000
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Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

1: Low hazard to waters

SVHC Substances:

No SVHC substances present in concentration $\geq 0.1\%$

Dir. 2004/42/EC (VOC directive)

(ready to use)

Volatile Organic compounds - VOCs = 54.34 %

Volatile Organic compounds - VOCs = 499.90 g/L

15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
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.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/4/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
3.9/2	STOT RE 2	Specific target organ toxicity — repeated exposure, Category 2
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
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Flam. Liq. 3, H226	On basis of test data
STOT SE 3, H336	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

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

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

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

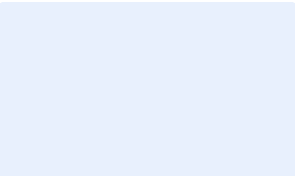
COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report
 DMEL: Derived Minimal Effect Level
 DNEL: Derived No Effect Level.
 DPD: Dangerous Preparations Directive
 DSD: Dangerous Substances Directive
 EC50: Half Maximal Effective Concentration
 ECHA: European Chemicals Agency
 EINECS: European Inventory of Existing Commercial Chemical Substances.
 ES: Exposure Scenario
 GefStoffVO: Ordinance on Hazardous Substances, Germany.
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
 IARC: International Agency for Research on Cancer
 IATA: International Air Transport Association.
 IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
 IC50: half maximal inhibitory concentration
 ICAO: International Civil Aviation Organization.
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
 IMDG: International Maritime Code for Dangerous Goods.
 INCI: International Nomenclature of Cosmetic Ingredients.
 IRCCS: Scientific Institute for Research, Hospitalization and Health Care
 KAFH: Keep Away From Heat
 KSt: Explosion coefficient.
 LC50: Lethal concentration, for 50 percent of test population.
 LD50: Lethal dose, for 50 percent of test population.
 LDLo: Leathal Dose Low
 N.A.: Not Applicable
 N/A: Not Applicable
 N/D: Not defined/ Not available
 NA: Not available
 NIOSH: National Institute for Occupational Safety and Health
 NOAEL: No Observed Adverse Effect Level
 OSHA: Occupational Safety and Health Administration
 PBT: Persistent, Bioaccumulative and Toxic
 PGK: Packaging Instruction
 PNEC: Predicted No Effect Concentration.
 PSG: Passengers
 RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
 STEL: Short Term Exposure limit.
 STOT: Specific Target Organ Toxicity.
 TLV: Threshold Limiting Value.
 TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
 vPvB: Very Persistent, Very Bioaccumulative.
 WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information



Exposure Scenario

2-methoxy-1-methylethyl acetate

Exposure Scenario, 08/06/2021

Substance identity	
	2-methoxy-1-methylethyl acetate
CAS No.	108-65-6
INDEX No.	607-195-00-7
EINECS No.	203-603-9
Registration number	01-2119475791-29

Table of contents

1. ES 1

1. ES 1

1.1 TITLE SECTION

Exposure Scenario name	Professional application of coatings and inks by brush or roller
Date - Version	29/04/2021 - 1.0
Main user group	Professional uses
Sector(s) of use	Professional uses (SU22)
Product Categories	Coatings and paints, thinners, paint removers (PC9a)

Environment Contributing Scenario

CS1	ERC8a - ERC8d
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Worker Contributing Scenario

CS2 Large surfaces - Rolling, Brushing	PROC10
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1.2 Conditions of use affecting exposure

1.2. CS1: Environment Contributing Scenario (ERC8a, ERC8d)

Environmental release categories	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) - Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor) (ERC8a, ERC8d)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 100 %

Amount used, frequency and duration of use (or from service life)

Amounts used:

Daily amount per site = 5000 kg

Release type: Continuous release

Emission days: 365 days per year

Conditions and measures related to sewage treatment plant

STP type:

Municipal Sewage Treatment Plant

Water - minimum efficiency of: = 87.3 %

Conditions and measures related to treatment of waste (including article waste)

Waste treatment

Contain and dispose of waste according to local regulations.

Other conditions affecting environmental exposure

Local marine water dilution factor: 100

Local freshwater dilution factor: 10

Additional good practice advice. Obligations according to Article 37(4) of REACH do not apply.

Additional Good Practice Advice:

Site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

1.2. CS2: Worker Contributing Scenario: Large surfaces - Rolling, Brushing (PROC10)

Process Categories	Roller application or brushing (PROC10)
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Product (article) characteristics

Physical form of product:

Liquid

Concentration of substance in product:

Covers concentrations up to 100 %

Amount used, frequency and duration of use/exposure**Amounts used:**

Daily amount per site = 5000 kg

Duration:

Exposure duration = 8 h/day

Frequency:

Use frequency = 365 days per year

Technical and organisational conditions and measures**Technical and organisational measures**

Ensure control measures are regularly inspected and maintained.

Carry out in a vented booth or extracted enclosure.

Conditions and measures related to personal protection, hygiene and health evaluation**Personal protection**

Wear a respirator conforming to EN140.

Other conditions affecting worker exposure

Covers indoor and outdoor use

Temperature: Assumes use at not more than 20 °C above ambient temperature.

1.3 Exposure estimation and reference to its source

1.3. CS1: Environment Contributing Scenario (ERC8a, ERC8d)

protection target	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
freshwater	= 0.003 mg/L	ECETOC TRA environment v3	= 0.004
freshwater sediment	= 0.014 mg/kg KW	ECETOC TRA environment v3	= 0.004
marine water	= 0.0004 mg/L	ECETOC TRA environment v3	= 0.007
marine sediment	= 0.002 mg/kg KW	ECETOC TRA environment v3	= 0.007
soil	= 0.001 mg/kg KW	ECETOC TRA environment v3	= 0.004

1.3. CS2: Worker Contributing Scenario: Large surfaces - Rolling, Brushing (PROC10)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
inhalative, systemic, long-term	= 137.71 mg/m ³	ECETOC TRA worker v3	= 0.5
dermal, systemic, long-term	= 13.71 mg/kg bw/day	ECETOC TRA worker v3	0.18

1.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.