



Trade name: DOITNEON321 150ML

Version: 1 / GB

Date revised: 08.11.2016

Substance number: 21071006321

Replaces Version: - / GB

Print date: 20.01.17

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

1.1. Product identifier

DOITNEON321 150ML

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

Use of the substance/preparation

Colour spray

Identified Uses

SU21 Consumer uses: Private households (= general public = consumers)
PC9a Coatings and paints, thinners, paint removers

1.3. Details of the supplier of the safety data sheet

Address

Marabu GmbH & Co. KG
Asperger Strasse 4
71732 Tamm
Germany
Telephone no. +49-7141/691-0
Fax no. +49-7141/691-147
Information provided Department product safety
by / telephone
E-mail address of PRSI@marabu.de
person responsible
for this SDS

1.4. Emergency telephone number

(+49) (0)621-60-43333

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Aerosol 1	H222
	H229
Eye Irrit. 2	H319
STOT SE 3	H336

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.



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H229 Pressurised container: May burst if heated.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P260 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P271 Use only outdoors or in a well-ventilated area.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
 P501.9 Dispose of contents/container as problematic waste.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Ethyl acetate;1-Methoxy-2-propanol;Propan-2-ol

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

Further supplemental information

Without adequate ventilation, explosive atmosphere/gas mix may be created.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Solvent based colour spray

Hazardous ingredients**Ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Registration no.	01-2119457610-43				
Concentration	>= 10	<	25	%	

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2	H225
Eye Irrit. 2	H319

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 50 %
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1-Methoxy-2-propanol

CAS No.	107-98-2				
EINECS no.	203-539-1				
Registration no.	01-2119457435-35				
Concentration	>= 10	<	20	%	

Classification (Regulation (EC) No. 1272/2008)

STOT SE 3	H336
Flam. Liq. 3	H226



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Propan-2-ol

CAS No. 67-63-0
 EINECS no. 200-661-7
 Registration no. 01-2119457558-25
 Concentration >= 10 < 20 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225
 Eye Irrit. 2 H319
 STOT SE 3 H336

Ethyl acetate

CAS No. 141-78-6
 EINECS no. 205-500-4
 Registration no. 01-2119475103-46
 Concentration >= 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225
 Eye Irrit. 2 H319
 STOT SE 3 H336

Further ingredients**Hydrocarbons, C3-4; Petroleum gas**

CAS No. 68476-40-4
 EINECS no. 270-681-9
 Registration no. 01-2119486557-22
 Concentration >= 25 < 50 % [3]

Classification (Regulation (EC) No. 1272/2008)

Flam. Gas 1 H220
 Press. Gas

2-Methoxy-1-methylethyl acetate

CAS No. 108-65-6
 EINECS no. 203-603-9
 Registration no. 01-2119475791-29
 Concentration >= 1 < 10 % [3]

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3 H226

[3] Substance with occupational exposure limits

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

In all cases of doubt, or when symptoms persist, seek medical attention. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Summon a doctor immediately.



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After skin contact

After contact with skin, wash immediately with plenty of water. Don't use solvents.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

Summon a doctor immediately. Keep at rest. Do NOT induce vomiting.

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

Until now no symptoms known so far.

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

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Not be used for safety reasons: water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); dense black smoke

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

Other information

Cool endangered containers with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure adequate ventilation. Do not breathe gas/fumes/vapour/spray. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling



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Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Provide good ventilation of working area (local exhaust ventilation if necessary). Handle and open container with care. Isolate from sources of heat, sparks and open flame. Avoid skin and eye contact. Smoking, eating and drinking shall be prohibited in application area. Comply with the health and safety at work laws.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

Classification of fires / temperature class / Ignition group / Dust explosion class

Classification of fires C (Flammable gases)
 Temperature class T3

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with national regulation

Storage class according to TRGS 510

Storage class according to TRGS 510 2B Aerosol dispensers

Further information on storage conditions

Keep away from sources of ignition. Keep container in a cool, well-ventilated place. Observe label precautions.

7.3. Specific end use(s)

Colour spray

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Ethanol

List	EH40			
Type	WEL			
Value	1920	mg/m ³	1000	ppm(V)
Status:	2011			

Ethyl acetate

List	EH40			
Type	WEL			
Value			200	ppm(V)
Short term exposure limit			400	ppm(V)
Status:	2011			

2-Methoxy-1-methylethyl acetate

List	EH40			
Type	WEL			
Value	274	mg/m ³	50	ppm(V)
Short term exposure limit	548	mg/m ³	100	ppm(V)
Skin resorption / sensibilisation:	Sk; Status: 2011			

1-Methoxy-2-propanol

List	EH40			
Type	WEL			
Value	375	mg/m ³	100	ppm(V)
Short term exposure limit	560	mg/m ³	150	ppm(V)
Skin resorption / sensibilisation:	Sk; Status: 2011			

Propan-2-ol

List	EH40			
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Type	WEL			
Value	999	mg/m ³	400	ppm(V)
Short term exposure limit	1250	mg/m ³	500	ppm(V)
Status:	2011			

Derived No/Minimal Effect Levels (DNEL/DMEL)

Hydrocarbons, C3-4; Petroleum gas

Type of value	Derived Minimal Effect Level (DMEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	2,21			mg/m ³

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	dermal			
Mode of action	Systemic effects			
Concentration	23,4			mg/kg/d

Type of value	Derived Minimal Effect Level (DMEL)			
Reference group	Consumer			
Duration of exposure	Long term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	0,066			mg/m ³

Ethanol

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	950			mg/m ³

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Short term			
Route of exposure	inhalative			
Mode of action	Local effects			
Concentration	1900			mg/m ³

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	dermal			
Mode of action	Systemic effects			
Concentration	343			mg/kg/d

Type of value	Derived No Effect Level (DNEL)			
Reference group	Consumer			
Duration of exposure	Long term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	114			mg/m ³

Type of value	Derived No Effect Level (DNEL)			
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Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	950	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	206	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	87	mg/kg/d

Ethyl acetate

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Concentration	1468	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	1468	g/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	dermal	
Mode of action	Chronic effects	
Concentration	63	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Mode of action	Chronic effects	
Concentration	734	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Mode of action	Chronic effects	
Concentration	734	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	734	mg/m ³



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Type of value Derived No Effect Level (DNEL)
 Reference group Consumer
 Route of exposure inhalative
 Mode of action Local effects
 Concentration 734 mg/m³

Type of value Derived No Effect Level (DNEL)
 Reference group Consumer
 Route of exposure dermal
 Mode of action Chronic effects
 Concentration 37 mg/kg

Type of value Derived No Effect Level (DNEL)
 Reference group Consumer
 Route of exposure inhalative
 Mode of action Chronic effects
 Concentration 367 mg/m³

Type of value Derived No Effect Level (DNEL)
 Reference group Consumer
 Route of exposure oral
 Mode of action Chronic effects
 Concentration 4,5 mg/m³

Type of value Derived No Effect Level (DNEL)
 Reference group Consumer
 Route of exposure inhalative
 Mode of action Local effects
 Concentration 367 mg/m³

2-Methoxy-1-methylethyl acetate

Reference substance 2-Methoxy-1-methylethyl acetate
 Type of value Derived No Effect Level (DNEL)
 Reference group Worker
 Duration of exposure Long term
 Route of exposure dermal
 Mode of action Systemic effects
 Concentration 153,5 mg/kg
 Source Literature value

Type of value Derived No Effect Level (DNEL)
 Reference group Worker
 Duration of exposure Long term
 Route of exposure inhalative
 Mode of action Systemic effects
 Concentration 275 mg/m³
 Source Literature value

Type of value Derived No Effect Level (DNEL)
 Reference group Consumer
 Duration of exposure Long term
 Route of exposure dermal
 Mode of action Systemic effects
 Concentration 54,8 mg/kg
 Source Literature value

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Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	33	mg/m ³
Source	Literature value	

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	1,67	mg/kg
Source	Literature value	

1-Methoxy-2-propanol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	553,5	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	50,6	mg/person/ d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	369	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	18,1	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	43,9	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	oral	

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Mode of action	Systemic effects	
Concentration	3,3	mg/kg/d

Propan-2-ol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	500	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	888	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	89	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	319	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	26	mg/kg/d

Predicted No Effect Concentration (PNEC)

Ethanol

Type of value	PNEC	
Type	Freshwater	
Concentration	0,96	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0,79	mg/l

Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	2,75	mg/l

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	580	mg/l

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Type of value PNEC
 Type Freshwater sediment
 Concentration 3,6 mg/kg

Type of value PNEC
 Type Marine sediment
 Concentration 2,9 mg/kg

Type of value PNEC
 Type Soil
 Concentration 0,63 mg/kg

Ethyl acetate

Type of value PNEC
 Type Water
 Concentration 0,26 mg/l

Type of value PNEC
 Type Aquatic
 Concentration 0,026 mg/l

Type of value PNEC
 Type Freshwater sediment
 Concentration 0,34 mg/kg

Type of value PNEC
 Type Marine sediment
 Concentration 0,034 mg/kg

Type of value PNEC
 Type Soil
 Concentration 0,22 mg/kg

2-Methoxy-1-methylethyl acetate

Reference substance 2-Methoxy-1-methylethyl acetate
 Type of value PNEC
 Type Freshwater
 Concentration 0,635 mg/l
 Source Literature value

Type of value PNEC
 Type Freshwater sediment
 Concentration 3,29 mg/kg
 Source Literature value

Type of value PNEC
 Type Soil
 Concentration 0,29 mg/kg
 Source Literature value

Type of value PNEC
 Type Sewage treatment plant (STP)
 Concentration 100 mg/l
 Source Literature value

Type of value PNEC
 Type Marine sediment

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Concentration 0,329 mg/kg
Source Literature value

Type of value PNEC
Type Saltwater
Concentration 0,0635 mg/l

1-Methoxy-2-propanol

Type of value PNEC
Type Freshwater
Concentration 10 mg/l

Type of value PNEC
Type Water
Concentration 41,6 mg/kg

Type of value PNEC
Type Sediment
Concentration 41,6 mg/kg

Type of value PNEC
Type Marine sediment
Concentration 4,17 mg/kg

Type of value PNEC
Type Soil
Concentration 2,47 mg/kg

Type of value PNEC
Type Sewage treatment plant (STP)
Concentration 100 mg/l

Propan-2-ol

Type of value PNEC
Type Freshwater
Concentration 140,9 mg/l

Type of value PNEC
Type Saltwater
Concentration 140,9 mg/l

Type of value PNEC
Type Sewage treatment plant (STP)
Concentration 2251 mg/l

Type of value PNEC
Type Freshwater sediment
Concentration 552 mg/kg

Type of value PNEC
Type Marine sediment
Concentration 552 mg/kg

Type of value PNEC
Type Soil
Concentration 28 mg/kg



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8.2. Exposure controls

Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Short term: filter apparatus, Filter A/P2; Self-contained breathing apparatus.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling nitrile rubber gloves with textile undergloves are required.

Material thickness > 0,5 mm

Breakthrough time < 30 min

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Safety glasses

Body protection

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Aerosol		
Colour	coloured		
Odour	solvent-like		
pH value			
Remarks	Not applicable		
Melting point			
Remarks	not determined		
Initial boiling point and boiling range			
Value	appr. 76		°C
Pressure	1.013	hPa	
Source	Literature value		
Flash point			
Remarks	Not applicable		
Upper/lower flammability or explosive limits			
Lower explosion limit	appr. 1,5		%(V)
Upper explosion limit	appr. 15		%(V)
Source	Literature value		
Density			
Value	0,76		g/cm ³
Temperature	20	°C	



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Solubility in water

Remarks immiscible

Partition coefficient: n-octanol/water

Remarks Not applicable

Ignition temperature

Value appr. 287 °C

Source Literature value

Viscosity

Remarks

Remarks not determined

9.2. Other information**Other information**

The physical specifications are approximate values and refer to the used safety relevant component(s).

SECTION 10: Stability and reactivity**10.1. Reactivity**

None known

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products. Protect from heat and direct sunlight.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture).

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

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

Acute oral toxicity (Components)**1-Methoxy-2-propanol**Species rat
LD50 5200 mg/kg**Acute dermal toxicity**

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

Acute dermal toxicity (Components)**1-Methoxy-2-propanol**Species rabbit
LD50 14000 mg/kg**Acute inhalational toxicity**



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

Skin corrosion/irritation

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

Serious eye damage/irritation

evaluation irritant

Remarks The classification criteria are met.

Sensitization

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

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)**Single exposure**

Remarks The classification criteria are met.

evaluation May cause drowsiness or dizziness.

Repeated exposure

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

Aspiration hazard

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

Experience in practice

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation. Ingestion may cause nausea, diarrhoea and vomiting.

Other information

There are no data available on the mixture itself.

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

SECTION 12: Ecological information**12.1. Toxicity****General information**

There are no data available on the mixture itself. Do not allow to enter drains or water courses. The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.

Fish toxicity (Components)**1-Methoxy-2-propanol**

Species	golden orfe (<i>Leuciscus idus</i>)	
LC0	> 4600	mg/l
Duration of exposure	96 h	

Daphnia toxicity (Components)



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1-Methoxy-2-propanol

Species	Daphnia magna	
EC50	23300	mg/l
Duration of exposure	48	h

Algae toxicity (Components)**1-Methoxy-2-propanol**

Species	Desmodesmus	
EC50	> 1000	mg/l
Duration of exposure	168	h

Bacteria toxicity (Components)**1-Methoxy-2-propanol**

Species	activated sludge	
EC50	> 1000	mg/l

12.2. Persistence and degradability**General information**

There are no data available on the mixture itself.

Biodegradability (Components)**1-Methoxy-2-propanol**

Value	90	%
Duration of test evaluation	28	d
Method	Readily biodegradable (according to OECD criteria) OECD 301 F	

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

Remarks	Not applicable
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12.4. Mobility in soil**General information**

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment**General information**

There are no data available on the mixture itself.

12.6. Other adverse effects**General information**

There are no data available on the mixture itself.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Do not allow to enter drains or water courses.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

Not emptied containers are hazardous waste (waste code number 150110).

SECTION 14: Transport information**Land transport ADR/RID**



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14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

Class 2
Label 2.1

14.4. Packing group

Packing group -
Limited Quantity 1 I
Transport category 3

14.5. Environmental hazards

-
Tunnel restriction code D

Marine transport IMDG/GGVSee

14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

Class 2.1

14.4. Packing group

Packing group -

14.5. Environmental hazards

no

Air transport ICAO/IATA

14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

Class 2.1

14.4. Packing group

Packing group -

14.5. Environmental hazards

-

Information for all modes of transport

14.6. Special precautions for user

Transport within the user's premises:
Always transport in closed containers that are upright and secure.
Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

no

SECTION 15: Regulatory information

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

Major-accident categories acc. 96/82/EC

Category	8	Extremely flammable	10.000	kg	50.000	kg
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VOC

VOC (CH)	82,37	%	626	g/l
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VOC (EU)	82,37	%	626	g/l
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Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

CLP categories listed in Chapter 3

Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
 GGVSee: Gefahrgutverordnung See
 IMDG: International Maritime Code for Dangerous Goods
 ICAO: International Air Transport Association
 IATA: International Civil Aviation Organization
 CAS: Chemical Abstracts Service
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 EmS: Emergency Schedules
 AICS: Australian Inventory of Chemical Substances
 MITI: Ministry of International Trade and Industry (Japan)
 TSCA: Toxic Substances Control Act (USA)
 VOC: Volatile Organic Compound
 LD: Lethal dose
 LC: Lethal concentration
 SVHC: Substances of very high concern
 DNEL: Derived no effect level
 PNEC: Predicted no effect concentration
 UN: United Nations
 OEL: Occupational exposure limit

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.