

Paint-Riter™ Valve Action Paint Marker White, Yellow, Red, Blue, Green, Orange, Aluminum, Pink, Light Blue, Light Green, Brown, Gold

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 9/22/2020 Revision date: 7/26/2021 Supersedes: 7/6/2021 Version: 3.0

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

1.1. Product identifier

Product form : Mixture
Name : Paint-Riter™ Valve Action Paint Marker White, Yellow, Red, Blue, Green, Orange, Aluminum, Pink, Light Blue, Light Green, Brown, Gold
Other means of identification : UFI
White: 6TN6-45T8-5SKG-XH1T
Yellow: Y0P6-5561-SSKG-866X
Red: X5P6-55JU-DSKF-KVD2
Blue: SAP6-55XN-0SKF-WJJ6
Green: NHP6-65AE-MSKF-77QA
Orange: VPP6-65Q7-7SKE-JWVF
Aluminum: CUP6-7530-USKE-VM1K
Pink: 81Q6-75FT-FSKE-696Q
Light Blue: G6Q6-75UM-2SKD-HYCU
Light Green: ECQ6-857D-PSKD-UNHY
Brown: QJQ6-85M6-9SKD-5AQ3
Gold: 1QQ6-85YY-WSKD-G0V7

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Marking.

1.2.2. Uses advised against

Restrictions on use : Any use not specified

1.3. Details of the supplier of the safety data sheet

LA-CO Industries Europe
Parc Industriel de la Plaine de l'Ain - Allée des Combes
01150 Blyes
France
T +33 474462323 - F +33 (0)4 74 46 23 29
info-europe@laco.com - www.markal-city.com

1.4. Emergency telephone number

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887;
全国应急中心 0532 8388 9090

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Llandough	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB Newcastle	0344 892 0111	Only for healthcare professionals

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Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2	H225
Skin sensitisation, category 1B	H317
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No data available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP: Classification, Labelling, Packaging.) :



GHS02

GHS07

Signal word (CLP)	: Danger
Contains	: White, Yellow, Red, Green, Orange, Aluminum, Pink, Light Blue, Light Green, Brown, Gold: 1-Methoxy-2-propanol, Rosin, fumarated, polymer with ethylene glycol and pentaerythritol Blue: 1-Methoxy-2-propanol, Rosin, fumarated, polymer with ethylene glycol and pentaerythritol, [N,N,N',N',N'',N''-hexaethyl-29H,31H-phthalocyaninetrimethylaminato(2-)-N29,N30,N31,N32]copper
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H317 - May cause an allergic skin reaction. H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting equipment. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTRE or doctor if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). 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 media other than water to extinguish. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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EUH-statements : White, Yellow, Red, Blue, Green, Orange, Pink, Light Blue, Light Green, Brown.
EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

PBT: not yet assessed

vPvB: not yet assessed

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1-Methoxy-2-propanol substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 107-98-2 EC-No.: 203-539-1 EC Index-No.: 603-064-00-3	20 - 80	Flam. Liq. 3, H226 STOT SE 3, H336
Titanium dioxide substance with national workplace exposure limit(s) (GB)	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2	0 - 25	Carc. 2, H351
Ethanol substance with national workplace exposure limit(s) (GB)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5	10 - 20	Flam. Liq. 2, H225
Aluminium substance with national workplace exposure limit(s) (GB) (Note T)	CAS-No.: 7429-90-5 EC-No.: 231-072-3 EC Index-No.: 013-002-00-1 REACH-no: 01-2119529243- 45	0 - 10	Flam. Sol. 1, H228 Water-react. 2, H261
Isopropanol substance with national workplace exposure limit(s) (GB)	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Rosin, fumarated, polymer with ethylene glycol and pentaerythritol	CAS-No.: 68152-57-8 EC-No.: 614-317-2	1 - < 5	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 4, H413
2-methoxy-1-methylethyl acetate substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 108-65-6 EC-No.: 203-603-9 EC Index-No.: 607-195-00-7	0 - 5	Flam. Liq. 3, H226
Silicon dioxide (amorphous) substance with national workplace exposure limit(s) (GB)	CAS-No.: 112926-00-8 EC-No.: 231-545-4	<1	Not classified
Ethyl acetate substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 141-78-6 EC-No.: 205-500-4 EC Index-No.: 607-022-00-5	0.1 - <1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Butyl acetate substance with national workplace exposure limit(s)	CAS-No.: 123-86-4 EC-No.: 204-658-1	0 - 1	Flam. Liq. 3, H226 STOT SE 3, H336

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
(GB); substance with a Community workplace exposure limit	EC Index-No.: 607-025-00-1		
(2-Methoxymethylethoxy)-propanol substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2	0.1 - <1	Not classified
[N,N,N',N'',N''-hexaethyl-29H,31H-phthalocyaninetrimehylaminato(2-)-N29,N30,N31,N32]copper	CAS-No.: 28654-73-1 EC-No.: 249-125-4	0 - 1	Skin Sens. 1B, H317
Aluminum oxide substance with national workplace exposure limit(s) (GB)	CAS-No.: 1344-28-1 EC-No.: 215-691-6	< 0.1	Not classified
barium sulfate substance with national workplace exposure limit(s) (GB)	CAS-No.: 7727-43-7 EC-No.: 231-784-4	0 - 1	Not classified
2-methylpropan-1-ol substance with national workplace exposure limit(s) (GB)	CAS-No.: 78-83-1 EC-No.: 201-148-0 EC Index-No.: 603-108-00-1	< 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336

Note T : This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- First-aid measures after skin contact : Wash skin thoroughly with mild soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water.
- First-aid measures after ingestion : Do NOT induce vomiting. Get medical advice/attention.

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

- Symptoms/effects after inhalation : May cause drowsiness or dizziness.
- Symptoms/effects after skin contact : May cause an allergic skin reaction.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry chemical. Inert gas. Foam. Water spray. Water fog.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapour. Burning produces irritating, toxic and noxious fumes. Flammable vapours may accumulate in the container. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.

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Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Hydrocarbon.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses. Eliminate all ignition sources if safe to do so.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. EN469.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Avoid all eye and skin contact and do not breathe vapour and mist.

6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Refer to section 8.2.

Emergency procedures : Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Eliminate all ignition sources. Stop the flow of material, if this is without risk.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up in non-combustible absorbent material and shove into container for disposal.

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid all eye and skin contact and do not breathe vapour and mist. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible products : Strong oxidizers.

Incompatible materials : Heat sources.

Heat and ignition sources : Keep away from heat, sparks and flame.

Prohibitions on mixed storage : Keep away from incompatible materials.

Storage area : Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

Marking.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

1-Methoxy-2-propanol (107-98-2)

EU - Indicative Occupational Exposure Limit (IOEL)

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1-Methoxy-2-propanol (107-98-2)	
Local name	1-Methoxypropanol-2
IOEL TWA	375 mg/m ³
IOEL TWA [ppm]	100 ppm
IOELV STEL (mg/m ³)	568 mg/m ³
IOELV STEL (ppm)	150 ppm
Notes	Skin
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	375 mg/m ³
WEL TWA (ppm)	100 ppm
WEL STEL (mg/m ³)	560 mg/m ³
WEL STEL (OEL STEL) [ppm]	150 ppm
Ethyl acetate (141-78-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Ethyl acetate
IOEL TWA	734 mg/m ³
IOEL TWA [ppm]	200 ppm
IOELV STEL (mg/m ³)	1468 mg/m ³
IOELV STEL (ppm)	400 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	730 mg/m ³
WEL TWA (ppm)	200 ppm
WEL STEL (mg/m ³)	1460 mg/m ³
WEL STEL (OEL STEL) [ppm]	400 ppm
Butyl acetate (123-86-4)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	n-Butyl acetate
IOEL TWA	241 mg/m ³
IOEL TWA [ppm]	50 ppm
IOELV STEL (mg/m ³)	723 mg/m ³
IOELV STEL (ppm)	150 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	724 mg/m ³
WEL TWA (ppm)	150 ppm
WEL STEL (mg/m ³)	966 mg/m ³
WEL STEL (OEL STEL) [ppm]	200 ppm

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2-methoxy-1-methylethyl acetate (108-65-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-Methoxy-1-methylethylacetate
IOEL TWA	275 mg/m ³
IOEL TWA [ppm]	50 ppm
IOELV STEL (mg/m ³)	550 mg/m ³
IOELV STEL (ppm)	100 ppm
Notes	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	274 mg/m ³
WEL TWA (ppm)	50 ppm
WEL STEL (mg/m ³)	548 mg/m ³
WEL STEL (OEL STEL) [ppm]	100 ppm
Remark	(Sk)
2-methylpropan-1-ol (78-83-1)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	154 mg/m ³
WEL TWA (ppm)	50 ppm
WEL STEL (mg/m ³)	231 mg/m ³
WEL STEL (OEL STEL) [ppm]	75 ppm
Aluminum oxide (1344-28-1)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	10 mg/m ³ (inhalable aerosol) 4 mg/m ³ (respirable aerosol)
Silicon dioxide (amorphous) (112926-00-8)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	6 mg/m ³ (inhalable aerosol) 2.4 mg/m ³ (respirable aerosol)
Titanium dioxide (13463-67-7)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	10 mg/m ³ inhalable aerosol 4 mg/m ³ respirable aerosol
(2-Methoxymethylethoxy)-propanol (34590-94-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	(2-Methoxymethylethoxy)-propanol
IOEL TWA	308 mg/m ³
IOEL TWA [ppm]	50 ppm

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(2-Methoxymethylethoxy)-propanol (34590-94-8)	
Notes	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	308 mg/m ³
WEL TWA (ppm)	50 ppm
Remark	(Sk)
Ethanol (64-17-5)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	1920 mg/m ³
WEL TWA (ppm)	1000 ppm
Isopropanol (67-63-0)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	999 mg/m ³
WEL TWA (ppm)	400 ppm
WEL STEL (mg/m ³)	1250 mg/m ³
WEL STEL (OEL STEL) [ppm]	500 ppm
barium sulfate (7727-43-7)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	10 mg/m ³ inhalable aerosol 4 mg/m ³ respirable aerosol
Aluminium (7429-90-5)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	10 mg/m ³ (inhalable dust) 4 mg/m ³ (respirable dust)

8.1.2. Recommended monitoring procedures

No data available

8.1.3. Air contaminants formed

No data available

8.1.4. DNEL and PNEC

No data available

8.1.5. Control banding

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Provide local exhaust ventilation of closed transfer systems to minimize exposures. Avoid creating mist or spray. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

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Eye protection:

Chemical goggles or safety glasses. EN166

8.2.2.2. Skin protection

Hand protection:

In case of repeated or prolonged contact wear gloves. Butyl rubber gloves. short term. nitrile rubber gloves. EN374

8.2.2.3. Respiratory protection

Respiratory protection:

None under normal use

8.2.2.4. Thermal hazards

No data available

8.2.3. Environmental exposure controls

Consumer exposure controls:

Keep out of reach of children.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Variable.
Appearance	: Solid marker containing liquid colored paint.
Odour	: Solvent.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 78.3 °C
Flammability	: Flammable liquid and vapour.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 12.2 °C
Auto-ignition temperature	: 287 °C
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: insoluble in water.
Log Kow	: Not available
Log Pow	: 0.7
Vapour pressure	: 11.8
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 1 – 1.33
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No data available

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1)	: < 1
VOC content	: 50 – 60 %

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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Flammable liquid and vapour.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Open flame. Overheating. Direct sunlight. Heat. Sparks.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May release flammable gases. Burning produces irritating, toxic and noxious fumes. Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

1-Methoxy-2-propanol (107-98-2)

LD50 Oral rat	4016 mg/kg bodyweight
LD50 Dermal rat	> 2000 mg/kg bodyweight
LC50 Inhalation rat [ppm]	> 7000 ppm 6 hr

Ethyl acetate (141-78-6)

LD50 Oral rat	4934 mg/kg
LD50 oral	10200 mg/kg
LD50 Dermal rabbit	> 20000 mg/kg
LC50 Inhalation rat	> 18 mg/l/4h

Butyl acetate (123-86-4)

LD50 Oral rat	10760 mg/kg
LD50 Dermal rabbit	> 14112 mg/kg
LC50 Inhalation rat	> 21 mg/l/4h

2-methoxy-1-methylethyl acetate (108-65-6)

LD50 Oral rat	8532 mg/kg
LD50 Dermal rat	> 2000 mg/kg
LC50 Inhalation rat [ppm]	4345 ppm 6 h

2-methylpropan-1-ol (78-83-1)

LD50 Oral rat	3350 mg/kg
LD50 Dermal rabbit	2460 mg/kg
LC50 Inhalation rat	24.6 mg/l/4h

Aluminum oxide (1344-28-1)

LD50 Oral rat	> 10000 mg/kg Source: ECHA
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Aluminum oxide (1344-28-1)	
LC50 Inhalation rat	7.6 mg/l/4h
LC50 Inhalation rat (dust/mist)	> 2.3 mg/l Source: ECHA
Silicon dioxide (amorphous) (112926-00-8)	
LD50 Oral rat	> 5000 mg/kg
LD50 Dermal rabbit	> 2000 mg/kg
LC50 Inhalation rat	> 58.8 mg/l/4h
Titanium dioxide (13463-67-7)	
LD50 Oral rat	> 5000 mg/kg
LC50 Inhalation rat	> 6.82 mg/l/4h
(2-Methoxymethylethoxy)-propanol (34590-94-8)	
LD50 Oral rat	> 5000 mg/kg
LD50 Dermal rat	> 19020 mg/kg
LD50 Dermal rabbit	9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation rat	> 1667 mg/l/4h
LC50 Inhalation rat (dust/mist)	> 1667 mg/l/4h
Ethanol (64-17-5)	
LD50 Oral rat	10470 mg/kg
LD50 Dermal rabbit	> 20000 mg/kg
LC50 Inhalation rat	133.8 mg/l/4h
Isopropanol (67-63-0)	
LD50 Oral rat	5840 mg/kg
LD50 Dermal rabbit	16.4 ml/kg
LC50 Inhalation rat [ppm]	> 10000 ppm/4h
barium sulfate (7727-43-7)	
LD50 Oral rat	307 g/kg
LD50 Dermal rat	> 2000 mg/kg
[N,N,N',N'',N''',N''''-hexaethyl-29H,31H-phthalocyaninetrithylaminato(2-)-N29,N30,N31,N32]copper (28654-73-1)	
LD50 Oral rat	> 10000 mg/kg
LD50 Dermal rat	> 2500 mg/kg
Aluminium (7429-90-5)	
LD50 Oral rat	> 15900 mg/kg
LC50 Inhalation rat	> 2.3 mg/l/4h

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (The chemicals used are not available in the physical form known to cause

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cancer.)

Silicon dioxide (amorphous) (112926-00-8)	
IARC group	3 - Not classifiable
Titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans
Ethanol (64-17-5)	
IARC group	1 - Carcinogenic to humans, Alcoholic beverages
Isopropanol (67-63-0)	
IARC group	3 - Not classifiable
Titanium dioxide (13463-67-7)	
NOAEL (chronic, oral, animal/male, 2 years)	5 mg/kg bodyweight rat
barium sulfate (7727-43-7)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	75 mg/kg bodyweight
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Ethyl acetate (141-78-6)	
NOAEL (animal/male, F0/P)	26400 mg/kg
NOAEL (animal/female, F0/P)	26400 mg/kg
STOT-single exposure	: May cause drowsiness or dizziness.
1-Methoxy-2-propanol (107-98-2)	
STOT-single exposure	May cause drowsiness or dizziness.
Ethyl acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.
Butyl acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.
2-methylpropan-1-ol (78-83-1)	
STOT-single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
Isopropanol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Ethyl acetate (141-78-6)	
NOAEL (subchronic, oral, animal/male, 90 days)	900 mg/kg bodyweight
NOAEL (subchronic, oral, animal/female, 90 days)	900 mg/kg bodyweight
Aluminum oxide (1344-28-1)	
NOAEL (oral, rat, 90 days)	322.5 mg/kg bodyweight/day
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	≥ 0.075 mg/l/6h/day
(2-Methoxymethylethoxy)-propanol (34590-94-8)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:

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Aluminium (7429-90-5)	
NOAEL (subchronic, oral, animal/male, 90 days)	1034 mg/kg bodyweight Animal: dog, Animal sex: male, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)
NOAEL (subchronic, oral, animal/female, 90 days)	1087 mg/kg bodyweight Animal: dog, Animal sex: female, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

1-Methoxy-2-propanol (107-98-2)	
LC50 fish 1	20800 mg/l
EC50 crustacea	23300 mg/l
ErC50 algae	> 1000 mg/l

Ethyl acetate (141-78-6)	
LC50 fish 1	220 mg/l
EC50 crustacea	1200 mg/l
NOEC chronic fish	> 75.6 mg/l 32 d

2-methoxy-1-methylethyl acetate (108-65-6)	
LC50 fish 1	100 – 180 mg/l
EC50 crustacea	> 500 mg/l 48 h
ErC50 algae	> 1000 mg/l

2-methylpropan-1-ol (78-83-1)	
LC50 fish 1	1430 mg/l 96 h
EC50 crustacea	1100 mg/l 48 h

Aluminum oxide (1344-28-1)	
LC50 fish 1	114.97 mg/l pH 8; read-across AlCl ₃
EC50 crustacea	1470 mg/l
EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 0.024 mg/l Source: ECHA
NOEC (acute)	50 mg/l

Silicon dioxide (amorphous) (112926-00-8)	
LC50 fish 1	> 10000 mg/l
EC50 crustacea	> 1000 mg/l

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Titanium dioxide (13463-67-7)	
EC50 other aquatic organisms 1	> 100 mg/l Test organisms (species):
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
(2-Methoxymethylethoxy)-propanol (34590-94-8)	
LC50 fish 1	> 1000 mg/l Poecilia reticulata
EC50 other aquatic organisms 1	1930 mg/l Test organisms (species): other aquatic crustacea:
EC50 72h - Algae [1]	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	> 1000 mg/l
LOEC (chronic)	0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
Ethanol (64-17-5)	
LC50 fish 1	14200 mg/l
EC50 crustacea	5012 mg/l
Isopropanol (67-63-0)	
LC50 fish 1	10000 mg/l
barium sulfate (7727-43-7)	
LC50 fish 1	> 3.5 mg/l 96 h
EC50 crustacea	14500 µg/l 48 h
[N,N,N',N',N'',N'''-hexaethyl-29H,31H-phthalocyaninetrimethylaminato(2-)-N29,N30,N31,N32]copper (28654-73-1)	
LC50 fish 1	> 146 mg/l 96 h
EC50 crustacea	> 100 mg/l 48 h
Aluminium (7429-90-5)	
LC50 fish 1	218.64 mg/l ASTM 2000; test material: aluminium chloride hexahydrate; Pimephales promelas
EC50 crustacea	1.4 mg/l OECD Guideline 202; test material: Aluminium hydroxide
EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (acute)	≈ 72.89 mg/l
NOEC (acute)	≈ 37.2 mg/l

12.2. Persistence and degradability

Paint-Riter™ Valve Action Paint Marker White, Yellow, Red, Blue, Green, Orange, Aluminum, Pink, Light Blue, Light Green, Brown, Gold	
Persistence and degradability	Not established.
1-Methoxy-2-propanol (107-98-2)	

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1-Methoxy-2-propanol (107-98-2)	
Persistence and degradability	Readily biodegradable.
Biodegradation	96 % 28 d
Ethyl acetate (141-78-6)	
Persistence and degradability	Readily biodegradable.
2-methoxy-1-methylethyl acetate (108-65-6)	
Persistence and degradability	Readily biodegradable.
Biodegradation	89 % 10 d
2-methylpropan-1-ol (78-83-1)	
Biodegradation	70 (70 – 80) % 28 d
Aluminum oxide (1344-28-1)	
Persistence and degradability	Not established.
Silicon dioxide (amorphous) (112926-00-8)	
Persistence and degradability	Product persists.
(2-Methoxymethylethoxy)-propanol (34590-94-8)	
Persistence and degradability	Readily biodegradable.
Ethanol (64-17-5)	
Biodegradation	> 96 % 28 d
Isopropanol (67-63-0)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

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Log Pow	0.7
Bioaccumulative potential	Not established.
1-Methoxy-2-propanol (107-98-2)	
Bioaccumulative potential	Not expected to bioaccumulate.
Ethyl acetate (141-78-6)	
Bioaccumulative potential	Not expected to bioaccumulate.
2-methoxy-1-methylethyl acetate (108-65-6)	
Log Pow	0.43
2-methylpropan-1-ol (78-83-1)	
Log Pow	0.76
Aluminum oxide (1344-28-1)	
Bioaccumulative potential	Not established.
Ethanol (64-17-5)	
Bioaccumulative potential	Not expected to bioaccumulate.

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Isopropanol (67-63-0)	
Bioaccumulative potential	Not expected to bioaccumulate.
barium sulfate (7727-43-7)	
BCF fish 1	68.4 L/kg

12.4. Mobility in soil

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Ecology - soil	No data available.

12.5. Results of PBT and vPvB assessment

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PBT: not yet assessed	
vPvB: not yet assessed	

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Additional information : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations	: Do not dispose of waste into sewer.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
European List of Waste (LoW) code	: For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
HP Code	: HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs. HP3 - "Flammable:" — flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; — flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; — flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; — flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; — water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; — other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR)	: UN 1263
UN-No. (IMDG)	: UN 1263
UN-No. (IATA)	: UN 1263
UN-No. (ADN)	: UN 1263
UN-No. (RID)	: UN 1263

14.2. UN proper shipping name

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Proper Shipping Name (ADR)	: PAINT
Proper Shipping Name (IMDG)	: PAINT
Proper Shipping Name (IATA)	: PAINT
Proper Shipping Name (ADN)	: PAINT
Proper Shipping Name (RID)	: PAINT
Transport document description (ADR)	: UN 1263 PAINT, 3, II, (D/E)
Transport document description (IMDG)	: UN 1263 PAINT, 3, II
Transport document description (IATA)	: UN 1263 PAINT, 3, II
Transport document description (ADN)	: UN 1263 PAINT, 3, II
Transport document description (RID)	: UN 1263 PAINT, 3, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 3
Danger labels (ADR)	: 3
:	:



IMDG

Transport hazard class(es) (IMDG)	: 3
Danger labels (IMDG)	: 3
:	:



IATA

Transport hazard class(es) (IATA)	: 3
Danger labels (IATA)	: 3
:	:



ADN

Transport hazard class(es) (ADN)	: 3
Danger labels (ADN)	: 3
:	:



RID

Transport hazard class(es) (RID)	: 3
Danger labels (RID)	: 3
:	:



14.4. Packing group

Packing group (ADR)	: II
Packing group (IMDG)	: II
Packing group (IATA)	: II

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Packing group (ADN) : II
Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 163, 367, 640C, 650
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1, TP8, TP28
Tank code (ADR) : L1.5BN
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage - Operation (ADR) : S2, S20
Hazard identification number (Kemler No.) : 33
Orange plates :



Tunnel restriction code (ADR) : D/E
EAC code : •3YE

Transport by sea

Special provisions (IMDG) : 163, 367
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP8, TP28
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : B

Air transport

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 353
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 364
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3, A72, A192
ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1
Special provisions (ADN) : 163, 367, 640C, 650

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Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1

Rail transport

Classification code (RID)	: F1
Special provisions (RID)	: 163, 367, 640C, 650
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP8, TP28
Tank codes for RID tanks (RID)	: L1.5BN
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 33

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3(a)	Paint-Riter™ Valve Action Paint Marker White, Yellow, Red, Blue, Green, Orange, Aluminum, Pink, Light Blue, Light Green, Brown, Gold ; 1-Methoxy-2-propanol ; Ethyl acetate ; Butyl acetate ; 2-methoxy-1-methylethyl acetate ; 2-methoxypropyl acetate ; 2-methylpropan-1-ol ; Ethanol ; Isopropanol ; propyl acetate	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	Paint-Riter™ Valve Action Paint Marker White, Yellow, Red, Blue, Green, Orange, Aluminum, Pink, Light Blue, Light Green, Brown, Gold ; 1-Methoxy-2-propanol ; Ethyl acetate ; Butyl acetate ; 2-methoxypropyl acetate ; 2-methylpropan-1-ol ; Isopropanol ; propyl acetate	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
30.	2-methoxypropyl acetate	Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.
40.	Paint-Riter™ Valve Action Paint Marker White, Yellow, Red, Blue, Green, Orange, Aluminum, Pink, Light Blue, Light Green, Brown, Gold ; 1-Methoxy-2-propanol ; Ethyl acetate ; Butyl acetate ; 2-methoxy-1-methylethyl acetate ; 2-methoxypropyl acetate ; 2-methylpropan-1-ol ; Ethanol ; Isopropanol ; propyl acetate ; Aluminium	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content : 50 – 60 %

15.1.2. National regulations

All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Indication of changes:

SDS EU format according to COMMISSION REGULATION (EU) 2020/878.

Abbreviations and acronyms:	
	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	OSHA: Occupational Safety & Health Administration
	PBT: Persistent, Bioaccumulative, Toxic
	TWA: Time Weighted Average
	TSCA: Toxic Substances Control Act

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Data sources	: ESIS (European chemical Substances Information System; accessed at: http://esis.jrc.ec.europa.eu/index.php?PGM=cla . European Chemicals Agency (ECHA) C&L Inventory database. Accessed at http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database . Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

Full text of H- and EUH-statements:	
	White, Yellow, Red, Blue, Green, Orange, Pink, Light Blue, Light Green, Brown.
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Carc. 2	Carcinogenicity, Category 2
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 1	Flammable solids, Category 1
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H261	In contact with water releases flammable gases.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H413	May cause long lasting harmful effects to aquatic life.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Flam. Liq. 2	H225	On basis of test data
Skin Sens. 1B	H317	Calculation method

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

STOT SE 3	H336	Calculation method
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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.