

Diese Datei enthält die Sicherheitsdatenblätter zu allen Farbtönen, Sets und Displays der KREUL Magic Marble Marmorierfarbe. Sie enthält Bestandteile mit unterschiedlicher Kennzeichnung. Die Erstellung eines gemeinsamen Sicherheitsdatenblattes ist daher nicht möglich. Deshalb finden sich im Anhang die Sicherheitsdatenblätter zu den einzelnen Bestandteilen.

This file contains the safety data sheets for all colors, sets and displays for KREUL Magic Marble Marbling paint. It contains components with different labels. It is therefore not possible to create a unique safety data sheet. The safety data sheets for the individual components can be found in the appendix.

Folgende Sets und Displays sind enthalten / Following sets and displays are included:

Artikelnummer / Article number **73600**  
Handelsname / Trade name KREUL Magic Marble Marmorierfarben Set Grundfarben 6 x 20 ml  
KREUL Magic Marble Marbling paint Basic colors 20 ml Set of 6

Bestandteile / Components:

KREUL Magic Marble Marmorierfarbe Weiß 20 ml / KREUL Magic Marble Marbling paint White 20 ml  
KREUL Magic Marble Marmorierfarbe Sonnengelb 20 ml / KREUL Magic Marble Marbling paint Sun Yellow 20 ml  
KREUL Magic Marble Marmorierfarbe Rot 20 ml / KREUL Magic Marble Marbling paint Red 20 ml  
KREUL Magic Marble Marmorierfarbe Blau 20 ml / KREUL Magic Marble Marbling paint Blue 20 ml  
KREUL Magic Marble Marmorierfarbe Grün 20 ml / KREUL Magic Marble Marbling paint Green 20 ml  
KREUL Magic Marble Marmorierfarbe Schwarz 20 ml / KREUL Magic Marble Marbling paint Black 20 ml

Artikelnummer / Article number **73610**  
Handelsname / Trade name KREUL Magic Marble Marmorierfarben Set Metallic 6 x 20 ml  
KREUL Magic Marble Marbling paint Metallic colors 20 ml Set of 6

Bestandteile / Components:

KREUL Magic Marble Marmorierfarbe Silber 20 ml / KREUL Magic Marble Marbling paint Silver 20 ml  
KREUL Magic Marble Marmorierfarbe Gold 20 ml / KREUL Magic Marble Marbling paint Gold 20 ml  
KREUL Magic Marble Marmorierfarbe Metallic-Rot 20 ml / KREUL Magic Marble Marbling paint Metallic-Red 20 ml  
KREUL Magic Marble Marmorierfarbe Metallic-Violett 20 ml / KREUL Magic Marble Marbling paint Metallic-Violet 20 ml  
KREUL Magic Marble Marmorierfarbe Metallic-Blau 20 ml / KREUL Magic Marble Marbling paint Metallic-Blue 20 ml  
KREUL Magic Marble Marmorierfarbe Metallic-Grün 20 ml / KREUL Magic Marble Marbling paint Metallic-Green 20 ml

Artikelnummer / Article number **73613**  
Handelsname / Trade name KREUL Magic Marble Marmorierfarben Set Chalky Living 6 x 20 ml  
KREUL Magic Marble Marbling paint Chalky Living 20 ml Set of 6

Bestandteile / Components:

KREUL Magic Marble Marmorierfarbe Farblos 20 ml / KREUL Magic Marble Marbling paint Colorless 20 ml  
KREUL Magic Marble Marmorierfarbe Schwarz 20 ml / KREUL Magic Marble Marbling paint Black 20 ml  
KREUL Magic Marble Marmorierfarbe Noble Nougat matt 20 ml / KREUL Magic Marble Marbling paint Noble Nougat matt 20 ml  
KREUL Magic Marble Marmorierfarbe Mademoiselle Rosé matt 20 ml / KREUL Magic Marble Marbling paint Mademoiselle Rosé matt 20 ml  
KREUL Magic Marble Marmorierfarbe Sir Petrol matt 20 ml / KREUL Magic Marble Marbling paint Sir Petrol matt 20 ml  
KREUL Magic Marble Marmorierfarbe Volcanic Gray matt 20 ml / KREUL Magic Marble Marbling paint Volcanic Gray matt 20 ml

Artikelnummer / Article number **73614**  
Handelsname / Trade name KREUL Magic Marble Marmorierfarben Set Love Neon! 6 x 20 ml  
KREUL Magic Marble Marbling paint Love Neon! 20 ml Set of 6

Bestandteile / Components:

KREUL Magic Marble Marmorierfarbe Weiß 20 ml / KREUL Magic Marble Marbling paint White 20 ml  
KREUL Magic Marble Marmorierfarbe Mademoiselle Rosé matt 20 ml / KREUL Magic Marble Marbling paint Mademoiselle Rosé matt 20 ml  
KREUL Magic Marble Marmorierfarbe Neongelb 20 ml / KREUL Magic Marble Marbling paint Neon Yellow 20 ml  
KREUL Magic Marble Marmorierfarbe Volcanic Gray matt 20 ml / KREUL Magic Marble Marbling paint Volcanic Gray matt 20 ml  
KREUL Magic Marble Marmorierfarbe Neonorange 20 ml / KREUL Magic Marble Marbling paint Neon Orange 20 ml  
KREUL Magic Marble Marmorierfarbe Neopink 20 ml / KREUL Magic Marble Marbling paint Neon Pink 20 ml

Artikelnummer / Article number **732091**  
Handelsname / Trade name KREUL Magic Marble Marmorierfarben Thekendisplay  
KREUL Magic Marble Marbling paint counter sales display

Bestandteile / Components:

KREUL Magic Marble Marmorierfarbe Sonnengelb 20 ml / KREUL Magic Marble Marbling paint Sun Yellow 20 ml

KREUL Magic Marble Marmorierfarbe Orange 20 ml / KREUL Magic Marble Marbling paint Orange 20 ml  
KREUL Magic Marble Marmorierfarbe Rot 20 ml / KREUL Magic Marble Marbling paint Red 20 ml  
KREUL Magic Marble Marmorierfarbe Magenta 20 ml / KREUL Magic Marble Marbling paint Magenta 20 ml  
KREUL Magic Marble Marmorierfarbe Violett 20 ml / KREUL Magic Marble Marbling paint Violet 20 ml  
KREUL Magic Marble Marmorierfarbe Blau 20 ml / KREUL Magic Marble Marbling paint Blue 20 ml  
KREUL Magic Marble Marmorierfarbe Hellgrün 20 ml / KREUL Magic Marble Marbling paint Light Green 20 ml  
KREUL Magic Marble Marmorierfarbe Grün 20 ml / KREUL Magic Marble Marbling paint Green 20 ml  
KREUL Magic Marble Marmorierfarbe Neonpink 20 ml / KREUL Magic Marble Marbling paint Neon Pink 20 ml  
KREUL Magic Marble Marmorierfarbe Silber 20 ml / KREUL Magic Marble Marbling paint Silver 20 ml  
KREUL Magic Marble Marmorierfarbe Gold 20 ml / KREUL Magic Marble Marbling paint Gold 20 ml  
KREUL Magic Marble Marmorierfarbe Kupfer 20 ml / KREUL Magic Marble Marbling paint Copper 20 ml  
KREUL Magic Marble Marmorierfarbe Glitzer-Silber 20 ml / KREUL Magic Marble Marbling paint Glitter-Silver 20 ml  
KREUL Magic Marble Marmorierfarbe Glitzer-Gold 20 ml / KREUL Magic Marble Marbling paint Glitter-Gold 20 ml  
KREUL Magic Marble Marmorierfarbe Mademoiselle Rosé matt 20 ml / KREUL Magic Marble Marbling paint Mademoiselle Rosé matt 20 ml  
KREUL Magic Marble Marmorierfarbe Sir Petrol matt 20 ml / KREUL Magic Marble Marbling paint Sir Petrol matt 20 ml  
KREUL Magic Marble Marmorierfarbe Noble Nougat matt 20 ml / KREUL Magic Marble Marbling paint Noble Nougat matt 20 ml  
KREUL Magic Marble Marmorierfarbe Volcanic Gray matt 20 ml / KREUL Magic Marble Marbling paint Volcanic Gray matt 20 ml

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**1 Identification**

- **Product identifier**
- **Trade name:** KREUL Magic Marble Marbling paint White, Rose, Light Blue, Silver, Gold, Metallic-Yellow, Metallic-Red, Metallic-Rose, Metallic-Violet, Metallic-Blue, Metallic-Green, Neon Pink, Mademoiselle Rosé matt, Sir Petrol matt, Noble Nougat matt, Volcanic Gray matt 20 ml
- **Article number:**  
73201, 73206, 73210, 73219, 73220, 73225, 73226, 73227, 73228, 73229, 73230, 73233, 73234, 73235, 73236, 73237
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Paint  
For artists and hobby user.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
C. KREUL GmbH & Co. KG  
Carl-Kreul-Straße 2  
D-91352 HALLERNDORF  
GERMANY  
Phone: + 49 (0) 9545/925 - 0  
Fax: + 49 (0) 9545/925 - 511  
info@c-kreul.de
- **Importer**  
Zart Art Pty Ltd  
48 Overseas Drive  
Noble Park North 3174  
VIC  
Australia  
Phone: 61 3 9890 1867 / Fax: 61 3 9898 6527
- **Further information obtainable from:** Phone: 61 3 9890 1867 / Fax: 61 3 9898 6527
- **Emergency telephone number:** Poison Centre, Phone: 13 11 26

**2 Hazard(s) Identification**

- **Classification of the substance or mixture**



Flam. Liq. 3 H226 Flammable liquid and vapour.



STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard-determining components of labelling:**  
1-methoxy-2-propanol  
Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics  
2-methoxy-1-methylethyl acetate
- **Hazard statements**  
H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.

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### 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/sparks/open flames/hot surfaces. No smoking.
- P271 Use only outdoors or in a well-ventilated area.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### Other hazards

Vapours may form explosive mixtures with air. This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/ electrical equipment). Take precautionary measures against static discharges.

### Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition and Information on Ingredients

· **Description:** Mixture of substances listed below with nonhazardous additions.

### Dangerous components:

CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3	1-methoxy-2-propanol ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	25-<50%
CAS: 64742-48-9 EC number: 919-857-5	Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	10-<20%
EC number: 918-481-9	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclenes, <2% aromatics ⚠ Asp. Tox. 1, H304; Flam. Liq. 4, H227	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	5-<10%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide	1-<2.5%
CAS: 136-52-7 EINECS: 205-250-6	cobalt(II) 2-ethylhexanoate ⚠ Repr. 1A, H360; ⚠ Aquatic Acute 1, H400; ⚠ Aquatic Chronic 1, H410; ⚠ Eye Irritation 2A, H319; Skin Sens. 1, H317	<0.03%

### Additional information:

Benzene (EINECS 200-753-7) <0.1%. (Note P Annex VI to Directive (EC) No 1272/2008)  
For the wording of the listed hazard phrases refer to section 16.

## 4 First Aid Measures

### Description of first aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Wash with water and acidic soap.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Remove contact lenses.  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Seek immediate medical advice.  
Rinse out mouth and then drink plenty of water.  
Administer medicinal carbon.  
A person vomiting while laying on their back should be turned onto their side.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
If swallowed or in case of vomiting, danger of entering the lungs.

## 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

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· **Additional information** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
 Ensure adequate ventilation  
 Use respiratory protective device against the effects of fumes/dust/aerosol.  
 Keep away from ignition sources.  
 Wear protective equipment. Keep unprotected persons away.  
 Mount respiratory protective device.
- **Environmental precautions:**  
 Keep contaminated washing water and dispose of appropriately.  
 Do not allow to enter sewers/ surface or ground water.  
 In case of seepage into the ground inform responsible authorities.
- **Methods and material for containment and cleaning up:**  
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Dispose contaminated material as waste according to item 13.  
 Ensure adequate ventilation.
- **Reference to other sections**  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
 Take note of emission threshold.  
 Keep away from heat and direct sunlight.  
 Prevent formation of aerosols.  
 Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**  
 Fumes can combine with air to form an explosive mixture.  
 Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**  
 Do not store together with alkalis (caustic solutions).  
 Do not store together with oxidising and acidic materials.
- **Further information about storage conditions:**  
 Store receptacle in a well ventilated area.  
 Protect from heat and direct sunlight.  
 Protect from frost.  
 Store in a cool place.  
 Keep container tightly sealed.
- **Storage class:** 3
- **Specific end use(s)** See chapter 1.2.

### 8 Exposure controls and personal protection

- **Ingredients with limit values that require monitoring at the workplace:**

#### 107-98-2 1-methoxy-2-propanol

WES	Short-term value: 553 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 369 mg/m <sup>3</sup> , 100 ppm

#### 108-65-6 2-methoxy-1-methylethyl acetate

WES	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm
	Long-term value: 274 mg/m <sup>3</sup> , 50 ppm
	Sk

- **DNELs**

#### 107-98-2 1-methoxy-2-propanol

Oral	long-term exposure-systemic effects	33 mg/kg (general population)
Dermal	long-term exposure-systemic effects	183 mg/kg bw/d (general population) 78 mg/kg bw/d (worker)
Inhalative	long-term exposure-systemic effects	43.9 mg/m <sup>3</sup> (general population) 369 mg/m <sup>3</sup> (worker)

#### 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

Oral	long-term exposure-systemic effects	300 mg/kg (general population)
Dermal	long-term exposure-systemic effects	300 mg/kg bw/d (general population)

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Inhalative	long-term exposure-systemic effects	300 mg/kg bw/d (worker) 900 mg/m <sup>3</sup> (general population) 1,500 mg/m <sup>3</sup> (worker)
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**108-65-6 2-methoxy-1-methylethyl acetate**

Oral	long-term exposure-systemic effects	1.67 mg/kg (general population)
Dermal	long-term exposure-systemic effects	54.8 mg/kg bw/d (general population) 153.5 mg/kg bw/d (worker)
Inhalative	long-term exposure-systemic effects	33 mg/m <sup>3</sup> (general population) 275 mg/m <sup>3</sup> (worker)

· **PNECs****107-98-2 1-methoxy-2-propanol**

water	100 mg/l
freshwater	10 mg/l
marine water	1 mg/l
sewage treatment plant (STP)	100 mg/l
freshwater sediment	52.3 mg/kg
marine sediment	5.2 mg/kg
soil	4.59 mg/kg

**108-65-6 2-methoxy-1-methylethyl acetate**

water	6.35 mg/l
freshwater	0.635 mg/l
marine water	0.0635 mg/l
sewage treatment plant (STP)	100 mg/l
freshwater sediment	3.29 mg/kg
marine sediment	0.329 mg/kg
soil	0.29 mg/kg

· **Additional information:** The lists valid during the making were used as basis.· **Exposure controls**· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

The usual precautionary measures are to be adhered to when handling chemicals.

Do not inhale gases / fumes / aerosols.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.38$  mmValue for the permeation: Level  $\leq 4$  h· **As protection from splashes gloves made of the following materials are suitable:**

Butyl rubber, BR

Recommended thickness of the material:  $\geq 0.3$  mmValue for the permeation: Level  $\leq 10 - 30$  min· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing

## 9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form: Fluid

· **Odour:** Characteristic· **Odour threshold:** Not determined.· **pH-value:** Not determined.· **Change in condition**

Melting point/freezing point: Undetermined.

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<b>Initial boiling point and boiling range:</b> Undetermined.	
· <b>Flash point:</b>	25 °C
· <b>Flammability (solid, gas):</b>	Flammable.
· <b>Ignition temperature:</b>	>200 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	13.8 Vol %
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20 °C:</b>	0.954–0.995 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 40 °C:</b>	>20.5 mm <sup>2</sup> /s
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	60.3–<61.2 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Keep away from oxidizing agents, strong alkaline and acidic materials.
- **Hazardous decomposition products:**  
In case of fire, the following can be released:  
Carbon monoxide and carbon dioxide

## 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values relevant for classification:**

### 107-98-2 1-methoxy-2-propanol

Oral	LD50	4,016 mg/kg (rat) (EU B.1, ECHA)
Dermal	LD50	13,000 mg/kg (rab)
		>2,000 mg/kg (rat) (EU B.3, ECHA)
Inhalative	LC50/4h	30.04 mg/m <sup>3</sup> (rat) (ECHA)

### 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rab)
Inhalative	LC50/4h	>4,951 mg/m <sup>3</sup> (rat)

### Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rab)
Inhalative	LC50/4h	>4,951 mg/m <sup>3</sup> (rat)

### 108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8,532 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rab)
		>2,000 mg/kg (rat) (OECD 401)
Inhalative	LC50/4h	>10,000 mg/l (rat)

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**13463-67-7 titanium dioxide**

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4h	>6.82 mg/m <sup>3</sup> (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

## 12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

**107-98-2 1-methoxy-2-propanol**

LC50/96h	1,000 mg/l (oncorhynchus mykiss) (OECD 203)
LC50/48h	21,100–25,900 mg/l (daphnia magna) (ESR-ES-15)
ErC50	>1,000 mg/l /7d (pseudokirchneriella subcapitata) (ECHA)

**Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclenes, <2% aromatics**

LC50/48h	>1,000 mg/l (oncorhynchus mykiss)
EC50/48h	>1,000 mg/l (daphnia magna)
EC50/72h	>1,000 mg/l (pseudokirchneriella subcapitata)
EL50/48h	>1,000 mg/l (daphnia magna)
LL50/48h	>1,000 mg/l (daphnia magna)

**108-65-6 2-methoxy-1-methylethyl acetate**

LC50/96h	180 mg/l (oncorhynchus mykiss)
EC50/48h	>500 mg/l (daphnia magna)
(EbCx) 10%	>1,000 mg/l (microorganisms)
EC50/21d	>100 mg/l (daphnia magna) (OECD 211)
ErC50/96h	>1,000 mg/l (pseudokirchneriella subcapitata)
LC50	63.5 mg/l (oryzias latipes) (OECD 204)
LOEC/96h	>1,000 mg/l (pseudokirchneriella subcapitata)
NOEC/48d	47.5 mg/l (oryzias latipes) (OECD 204)

**13463-67-7 titanium dioxide**

EC50	>100 mg/l (pseudokirchneriella subcapitata) (OECD 201)
	>10,000 mg/l (skeletonema costatum) (ISO 10253)
NOEC	>100,000 mg/l (hyalella azteca) (ASTM 1706)
LC50	>10,000 mg/l (acartia tonsa) (ISO 14669 (1999) ISO 5667-16 (1998))
	>1,000 mg/l (daphnia magna) (OECD 202)
	>1,000 mg/l (pimephales promelas) (EPA-540/9-85-006)

**136-52-7 cobalt(II) 2-ethylhexanoate**

EC50/72h	0.528 mg/l (algae)
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- **Persistence and degradability**

**Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclenes, <2% aromatics**

Oxygen consumption	80 % /28d (OECD 301 F)
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**108-65-6 2-methoxy-1-methylethyl acetate**

Carbon dioxide production	90 % /28d (OECD 301 F)
DOC removal	99 % /28d (OECD 301 F)
Oxygen consumption	83 % /28d (OECD 301 F)

- **Behaviour in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

### 14 Transport information

· UN-Number	UN1263
· ADG, IMDG, IATA	
· UN proper shipping name	1263 PAINT
· ADG	PAINT
· IMDG, IATA	
· Transport hazard class(es)	
· ADG, IMDG, IATA	
	
· Class	3 Flammable liquids.
· Label	3
· Packing group	III
· ADG, IMDG, IATA	
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E,S-E
· Stowage Category	A
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Australian Inventory of Industrial Chemicals**  
We confirm that they we are have checked the AICS under here <https://www.industrialchemicals.gov.au/search-inventory> and we can confirm that each ingredient is either listed on the AICS and within the allowable limit or meets restrictions on said ingredient.

All ingredients are listed.

- **Standard for the Uniform Scheduling of Medicines and Poisons**

96-29-7 | 2-butanone oxime

S6; <0,07%

- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



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- **Signal word** Warning
- **Hazard-determining components of labelling:**
  - 1-methoxy-2-propanol
  - Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics
  - 2-methoxy-1-methylethyl acetate
- **Hazard statements**
  - H226 Flammable liquid and vapour.
  - 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/sparks/open flames/hot surfaces. No smoking.
  - P271 Use only outdoors or in a well-ventilated area.
  - P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - P312 Call a POISON CENTER/doctor if you feel unwell.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
  - H226 Flammable liquid and vapour.
  - H227 Combustible liquid.
  - H304 May be fatal if swallowed and enters airways.
  - H317 May cause an allergic skin reaction.
  - H319 Causes serious eye irritation.
  - H336 May cause drowsiness or dizziness.
  - H360 May damage fertility or the unborn child.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.
- **Contact:** Phone: 61 3 9890 1867 / Fax: 61 3 9898 6527
- **Abbreviations and acronyms:**
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - DNEL: Derived No-Effect Level (REACH)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Liq. 3: Flammable liquids – Category 3
  - Flam. Liq. 4: Flammable liquids – Category 4
  - Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Repr. 1A: Reproductive toxicity – Category 1A
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - Asp. Tox. 1: Aspiration hazard – Category 1
  - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
  - Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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**1 Identification**

- **Product identifier**
- **Trade name:** KREUL Magic Marble Marbling paint Lemon, Sun Yellow, Orange, Red, Zinia, Magenta, Violet, Blue, Dark Blue, Turquoise, Light Green, Green, Ocher, Brown, Black, Copper, Colorless, Glitter-Silver, Glitter-Gold, Neon Yellow, Neon Orange 20 ml
- **Article number:**  
73202, 73203, 73204, 73205, 73207, 73208, 73209, 73211, 73212, 73213, 73214, 73215, 73216, 73217, 73218, 73221, 73222, 73223, 73224, 73231, 73232
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Paint  
For artists and hobby user.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
C. KREUL GmbH & Co. KG  
Carl-Kreul-Straße 2  
D-91352 HALLERNDORF  
GERMANY  
Phone: + 49 (0) 9545/925 - 0  
Fax: + 49 (0) 9545/925 - 511  
info@c-kreul.de
- Importer  
Zart Art Pty Ltd  
48 Overseas Drive  
Noble Park North 3174  
VIC  
Australia  
Phone: 61 3 9890 1867 / Fax: 61 3 9898 6527
- **Further information obtainable from:** Phone: 61 3 9890 1867 / Fax: 61 3 9898 6527
- **Emergency telephone number:** Poison Centre, Phone: 13 11 26

**2 Hazard(s) Identification**

- **Classification of the substance or mixture**
-  GHS02 flame  
Flam. Liq. 3 H226 Flammable liquid and vapour.
-  GHS07  
STOT SE 3 H336 May cause drowsiness or dizziness.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**
-    
GHS02      GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**  
1-methoxy-2-propanol  
Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics  
2-methoxy-1-methylethyl acetate
- **Hazard statements**  
H226 Flammable liquid and vapour.

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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/sparks/open flames/hot surfaces. No smoking.
- P271 Use only outdoors or in a well-ventilated area.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### Other hazards

Vapours may form explosive mixtures with air. This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/ electrical equipment). Take precautionary measures against static discharges.

### Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition and Information on Ingredients

• **Description:** Mixture of substances listed below with nonhazardous additions.

### Dangerous components:

CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3	1-methoxy-2-propanol ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	25-<50%
CAS: 64742-48-9 EC number: 919-857-5	Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	10-<20%
EC number: 918-481-9	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclenes, <2% aromatics ⚠ Asp. Tox. 1, H304; Flam. Liq. 4, H227	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	5-<10%
CAS: 136-52-7 EINECS: 205-250-6	cobalt(II) 2-ethylhexanoate ⚠ Repr. 1A, H360; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Eye Irritation 2A, H319; Skin Sens. 1, H317	<0.04%

### Additional information:

Benzene (EINECS 200-753-7) <0.1%. (Note P Annex VI to Directive (EC) No 1272/2008)  
For the wording of the listed hazard phrases refer to section 16.

## 4 First Aid Measures

### Description of first aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Wash with water and acidic soap.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Remove contact lenses.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Seek immediate medical advice.  
Rinse out mouth and then drink plenty of water.  
Administer medicinal carbon.  
A person vomiting while laying on their back should be turned onto their side.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
If swallowed or in case of vomiting, danger of entering the lungs.

## 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
 Ensure adequate ventilation  
 Use respiratory protective device against the effects of fumes/dust/aerosol.  
 Keep away from ignition sources.  
 Wear protective equipment. Keep unprotected persons away.  
 Mount respiratory protective device.
- **Environmental precautions:**  
 Keep contaminated washing water and dispose of appropriately.  
 In case of seepage into the ground inform responsible authorities.  
 Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Dispose contaminated material as waste according to item 13.  
 Ensure adequate ventilation.
- **Reference to other sections**  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
 Take note of emission threshold.  
 Keep away from heat and direct sunlight.  
 Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
 Fumes can combine with air to form an explosive mixture.  
 Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**  
 Do not store together with oxidising and acidic materials.  
 Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:**  
 Store receptacle in a well ventilated area.  
 Keep container tightly sealed.  
 Store in a cool place.  
 Protect from frost.  
 Protect from heat and direct sunlight.
- **Storage class:** 3
- **Specific end use(s)** See chapter 1.2.

### 8 Exposure controls and personal protection

- **Ingredients with limit values that require monitoring at the workplace:**

#### 107-98-2 1-methoxy-2-propanol

WES	Short-term value: 553 mg/m <sup>3</sup> , 150 ppm Long-term value: 369 mg/m <sup>3</sup> , 100 ppm
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#### 108-65-6 2-methoxy-1-methylethyl acetate

WES	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm Long-term value: 274 mg/m <sup>3</sup> , 50 ppm
	Sk

- **DNELs**

#### 107-98-2 1-methoxy-2-propanol

Oral	long-term exposure-systemic effects	33 mg/kg (general population)
Dermal	long-term exposure-systemic effects	183 mg/kg bw/d (general population) 78 mg/kg bw/d (worker)
Inhalative	long-term exposure-systemic effects	43.9 mg/m <sup>3</sup> (general population) 369 mg/m <sup>3</sup> (worker)

#### 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

Oral	long-term exposure-systemic effects	300 mg/kg (general population)
Dermal	long-term exposure-systemic effects	300 mg/kg bw/d (general population) 300 mg/kg bw/d (worker)
Inhalative	long-term exposure-systemic effects	900 mg/m <sup>3</sup> (general population)

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		1,500 mg/m <sup>3</sup> (worker)
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>		
Oral	long-term exposure-systemic effects	1.67 mg/kg (general population)
Dermal	long-term exposure-systemic effects	54.8 mg/kg bw/d (general population)
		153.5 mg/kg bw/d (worker)
Inhalative	long-term exposure-systemic effects	33 mg/m <sup>3</sup> (general population)
		275 mg/m <sup>3</sup> (worker)

· **PNECs****107-98-2 1-methoxy-2-propanol**

water	100 mg/l
freshwater	10 mg/l
marine water	1 mg/l
sewage treatment plant (STP)	100 mg/l
freshwater sediment	52.3 mg/kg
marine sediment	5.2 mg/kg
soil	4.59 mg/kg

**108-65-6 2-methoxy-1-methylethyl acetate**

water	6.35 mg/l
freshwater	0.635 mg/l
marine water	0.0635 mg/l
sewage treatment plant (STP)	100 mg/l
freshwater sediment	3.29 mg/kg
marine sediment	0.329 mg/kg
soil	0.29 mg/kg

· **Additional information:** The lists valid during the making were used as basis.· **Exposure controls**· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.  
 The usual precautionary measures are to be adhered to when handling chemicals.  
 Wash hands before breaks and at the end of work.  
 Do not inhale gases / fumes / aerosols.  
 Avoid contact with the eyes and skin.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR  
 Recommended thickness of the material:  $\geq 0.38$  mm  
 Value for the permeation: Level  $\leq 4$  h

· **As protection from splashes gloves made of the following materials are suitable:**

Butyl rubber, BR  
 Recommended thickness of the material:  $\geq 0.3$  mm  
 Value for the permeation: Level  $\leq 10 - 30$  min

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing

## 9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

**Form:** Fluid  
**Odour:** Characteristic  
**Odour threshold:** Not determined.

· **pH-value:** Not determined.· **Change in condition**

**Melting point/freezing point:** Undetermined.  
**Initial boiling point and boiling range:** Undetermined.

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· <b>Flash point:</b>	25 °C
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Ignition temperature:</b>	>200 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	13.8 Vol %
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20 °C:</b>	0.902–0.972 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 40 °C:</b>	>20.5 mm <sup>2</sup> /s
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	60-80 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Keep away from oxidizing agents, strong alkaline and acidic materials.
- **Hazardous decomposition products:**  
In case of fire, the following can be released:  
Carbon monoxide and carbon dioxide

## 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

### · LD/LC50 values relevant for classification:

#### 107-98-2 1-methoxy-2-propanol

Oral	LD50	4,016 mg/kg (rat) (EU B.1, ECHA)
Dermal	LD50	13,000 mg/kg (rab)
		>2,000 mg/kg (rat) (EU B.3, ECHA)
Inhalative	LC50/4h	30.04 mg/m <sup>3</sup> (rat) (ECHA)

#### 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rab)
Inhalative	LC50/4h	>4,951 mg/m <sup>3</sup> (rat)

#### Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rab)
Inhalative	LC50/4h	>4,951 mg/m <sup>3</sup> (rat)

#### 108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8,532 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rab)
		>2,000 mg/kg (rat) (OECD 401)
Inhalative	LC50/4h	>10,000 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.

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· **Respiratory or skin sensitisation** No sensitising effects known.

## 12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**

**107-98-2 1-methoxy-2-propanol**

LC50/96h	1,000 mg/l (oncorhynchus mykiss) (OECD 203)
LC50/48h	21,100–25,900 mg/l (daphnia magna) (ESR-ES-15)
ErC50	>1,000 mg/l /7d (pseudokirchneriella subcapitata) (ECHA)

**Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclenes, <2% aromatics**

LC50/48h	>1,000 mg/l (oncorhynchus mykiss)
EC50/48h	>1,000 mg/l (daphnia magna)
EC50/72h	>1,000 mg/l (pseudokirchneriella subcapitata)
EL50/48h	>1,000 mg/l (daphnia magna)
LL50/48h	>1,000 mg/l (daphnia magna)

**108-65-6 2-methoxy-1-methylethyl acetate**

LC50/96h	180 mg/l (oncorhynchus mykiss)
EC50/48h	>500 mg/l (daphnia magna)
(EbCx) 10%	>1,000 mg/l (microorganisms)
EC50/21d	>100 mg/l (daphnia magna) (OECD 211)
ErC50/96h	>1,000 mg/l (pseudokirchneriella subcapitata)
LC50	63.5 mg/l (oryzias latipes) (OECD 204)
LOEC/96h	>1,000 mg/l (pseudokirchneriella subcapitata)
NOEC/48d	47.5 mg/l (oryzias latipes) (OECD 204)

**136-52-7 cobalt(II) 2-ethylhexanoate**

EC50/72h	0.528 mg/l (algae)
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· **Persistence and degradability**

**Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclenes, <2% aromatics**

Oxygen consumption	80 % /28d (OECD 301 F)
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**108-65-6 2-methoxy-1-methylethyl acetate**

Carbon dioxide production	90 % /28d (OECD 301 F)
DOC removal	99 % /28d (OECD 301 F)
Oxygen consumption	83 % /28d (OECD 301 F)

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Danger to drinking water if even small quantities leak into the ground.

Do not allow product to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:**

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

## 14 Transport information

· **UN-Number**

· **ADG, IMDG, IATA**

UN1263

· **UN proper shipping name**

· **ADG**

· **IMDG, IATA**

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- Transport hazard class(es)
- ADG, IMDG, IATA



- Class 3 Flammable liquids.
- Label 3

- Packing group III
- ADG, IMDG, IATA

- Environmental hazards: Not applicable.

- Special precautions for user Warning: Flammable liquids.
- Hazard identification number (Kemler code): 30
- EMS Number: F-E, S-E
- Stowage Category A

- Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

- Transport/Additional information:

- ADG
- Limited quantities (LQ) 5L
- Excepted quantities (EQ) Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml
- Transport category 3
- Tunnel restriction code D/E

- IMDG
- Limited quantities (LQ) 5L
- Excepted quantities (EQ) Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

- UN "Model Regulation": UN 1263 PAINT, 3, III

### 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Australian Inventory of Industrial Chemicals

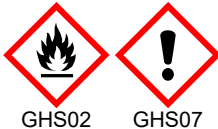
We confirm that they we are have checked the AICS under here <https://www.industrialchemicals.gov.au/search-inventory> and we can confirm that each ingredient is either listed on the AICS and within the allowable limit or meets restrictions on said ingredient.

All ingredients are listed.

- Standard for the Uniform Scheduling of Medicines and Poisons

96-29-7	2-butanone oxime	S6; <0,07%
7646-85-7	zinc chloride	S2, S6; <0,02%

- GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- Hazard pictograms



GHS02    GHS07

- Signal word Warning

- Hazard-determining components of labelling:

1-methoxy-2-propanol  
Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics  
2-methoxy-1-methylethyl acetate

- Hazard statements

H226 Flammable liquid and vapour.  
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/sparks/open flames/hot surfaces. No smoking.  
P271 Use only outdoors or in a well-ventilated area.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER/doctor if you feel unwell.

(Contd. on page 8)

# Safety Data Sheet

## according to WHS Regulations

Printing date 15.11.2022

Version number 3.2

Revision: 15.11.2022

P501 Dispose of contents/container in accordance with local/regional/national/international regulations. (Contd. of page 7)

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P5c** FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Relevant phrases

- H226 Flammable liquid and vapour.
- H227 Combustible liquid.
- H304 May be fatal if swallowed and enters airways.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H360 May damage fertility or the unborn child.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- **Contact:** Phone: 61 3 9890 1867 / Fax: 61 3 9898 6527

#### · Abbreviations and acronyms:

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3
- Flam. Liq. 4: Flammable liquids – Category 4
- Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
- Skin Sens. 1: Skin sensitisation – Category 1
- Repr. 1A: Reproductive toxicity – Category 1A
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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