

Safety data sheet

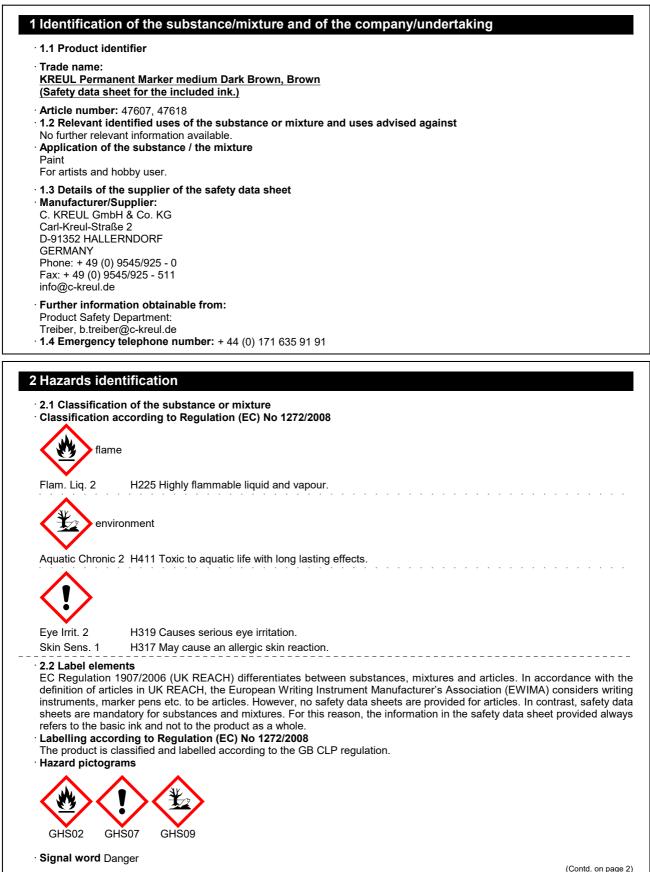
according to 1907/2006/EC, Article 31

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(Contd. of page 1)

· Hazard-determ	ining components of labelling:
C.I. Basic Red	1
C.I. Solvent Ye	low 146
 Hazard statem 	ents
H225 Highly fla	mmable liquid and vapour.
	erious eye irritation.
	e an allergic skin reaction.
H411 Toxic to a	equatic life with long lasting effects.
 Precautionary 	statements
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P260	Do not breathe vapours.
P271	Use only outdoors or in a well-ventilated area.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy
	to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
· 2.3 Other haza	rds
· Results of PB	Γ and vPvB assessment
· PBT: Not applie	cable.
• vPvB: Not appl	icable.

3 Composition/information on ingredients

· 3.2 Mixtures

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

ethanol Flam. Liq. 2, H225	50-<100%
1-methoxy-2-propanol Flam. Liq. 3, H226; () STOT SE 3, H336	10-<20%
C.I. Basic Red 1 ♦ Acute Tox. 3, H301; ♦ Eye Dam. 1, H318; ♦ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ♦ Skin Sens. 1B, H317	0-≤2.5%
C.I. Solvent Yellow 146 Aquatic Chronic 2, H411; Skin Sens. 1, H317	0-≤2.5%
	 Flam. Liq. 2, H225 1-methoxy-2-propanol Flam. Liq. 3, H226; STOT SE 3, H336 C.I. Basic Red 1 Acute Tox. 3, H301; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317 C.I. Solvent Yellow 146

4 First aid measures

· 4.1 Description of first aid measures

• General information: Immediately remove any clothing soiled by the product.

• After inhalation:

- Supply fresh air and to be sure call for a doctor.
- In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

- If skin irritation continues, consult a doctor.
- After eye contact:
- Remove contact lenses.

Rinse opened eye for several minutes under running water.

- After swallowing:
- If symptoms persist consult doctor.
- Rinse out mouth and then drink plenty of water.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5 Firefighting measures

· 5.1 Extinguishing media

• Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents: Water with full jet

Version number 1.1 (replaces version 1.0)

Revision: 16.01.2024

(Contd. of page 2)

GB

- 5.2 Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.
- · 5.3 Advice for firefighters

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· Protective equipment: Wear self-contained respiratory protective device.

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

6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Wear protective equipment. Keep unprotected persons away
- 6.2 Environmental precautions:
- Do not allow product to reach sewage system or any water course.
- Inform respective authorities in case of seepage into water course or sewage system.
- Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Ensure adequate ventilation.
- Dispose of the material collected according to regulations.
- 6.4 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

• 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

- Information about fire and explosion protection: Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.

· 7.2 Conditions for safe storage, including any incompatibilities

- Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- \cdot Information about storage in one common storage facility:
- Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
- Further information about storage conditions:
- Keep container tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.
- Storage class: 3
- · 7.3 Specific end use(s) See chapter 1.2.

8 Exposure controls/personal protection

· 8.1 Control	l parameters
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WEL Long-term value: 1920 mg/m³, 1000 ppm 107-98-2 1-methoxy-2-propanol WEL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Sk Onel.s 64-17-5 ethanol Oral long-term exposure-systemic effects Bort-term exposure-systemic effects 87 mg/kg (general population) Dermal long-term exposure-systemic effects Inhalative long-term exposure-systemic effects 10rg-term exposure-systemic effects 87 mg/kg (worker) 114 mg/m³ (general population) 343 mg/kg bw/d (worker) 10rg-term exposure-systemic effects 33 mg/kg (general population) 950 mg/m³ (worker) 950 mg/m³ (worker) 10rg-term exposure-systemic effects 114 mg/m³ (general population) 950 mg/m³ (worker) 183 mg/kg bw/d (worker) Inhalative long-term exposure-systemic effects 33 mg/kg bw/d (general population) 10rg-term exposure-systemic effects 143 mg/kg bw/d (worker) 183 mg/kg bw/d (worker) Inhalative long-term exposure-systemic effects 33 mg/kg bw/d (worker) 369 mg/m³ (general population) 78 mg/kg bw/d (worker) 43.9 mg/m³ (general population) 369 mg/m³ (worker)	107-98-2 1-methoxy-2-propanol WEL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Sk DNELs 64-17-5 ethanol Oral long-term exposure-systemic effects 87 mg/kg (general population) Dermal long-term exposure-systemic effects 87 mg/kg bw/d (general population) Inhalative long-term exposure-systemic effects 114 mg/m³ (general population) 950 mg/m³ (worker) 950 mg/m³ (worker) 107-98-2 1-methoxy-2-propanol Oral long-term exposure-systemic effects 33 mg/kg (general population) 950 mg/m³ (worker) 114 mg/m³ (general population) 950 mg/m³ (worker) Inhalative long-term exposure-systemic effects 33 mg/kg (general population) Dermal long-term exposure-systemic effects 33 mg/kg bw/d (general population) 183 mg/kg bw/d (general population) Inhalative long-term exposure-systemic effects 33 mg/kg bw/d (worker) 43.9 mg/m³ (general population) 0ral long-term exposure-systemic effects 369 mg/m³ (worker) 43.9 mg/m³ (general population)	64-17-5 et		
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64-17-5 ethanol		PNECs		
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		(Contd. of page 3)
freshwater	0.96 mg/l	
marine water	0.79 mg/l	
sewage treatment plant (STP)	580 mg/l	
freshwater sediment	3.6 mg/kg	
soil	0.63 mg/kg	
107-98-2 1-methoxy-2-propa	nol	
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	
· Additional information: The	lists valid during the making were used as basis.]
· 8.2 Exposure controls	č	
	ntrols No further data; see section 7.	
	res, such as personal protective equipment	
General protective and hygi		
Immediately remove all soiled	and contaminated clothing	
Do not eat, drink, smoke or sn		
Avoid contact with the eyes an		
Do not inhale gases / fumes / Wash hands before breaks an		
· Respiratory protection:		
	low pollution use respiratory filter device. In case of intensiv	e or longer exposure use self-
contained respiratory protectiv		5 1
Hand protection		
nîn		
Protective gloves		
Theelive gloves		
The glove material has to be in	mpermeable and resistant to the product/ the substance/ the pro	eparation.
	nmendation to the glove material can be given for the produc	t/ the preparation/ the chemical
mixture.	on consideration of the nonstration times, rates of diffusion on	d the degradation
• Material of gloves	on consideration of the penetration times, rates of diffusion and	d the degradation
	gloves does not only depend on the material, but also on furt	her marks of quality and varies
from manufacturer to manufa	acturer. As the product is a preparation of several substanc	es, the resistance of the glove
material can not be calculated	in advance and has therefore to be checked prior to the application	ation.
Penetration time of glove ma		
	has to be found out by the manufacturer of the protective glove	s and has to be observed.
Butyl rubber, BR	loves made of the following materials are suitable:	
Recommended thickness of th	e material [.] > 0.5 mm	
Value for the permeation: Leve		
Eye/face protection		
Tightly sealed goo		
Tightly sealed gog	Jgies	
9 Physical and chemical	properties	

Physical state	Fluid
· Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
• Melting point/freezing point:	Undetermined.
 Boiling point or initial boiling point and boi 	ling range 78 °C
Flammability	Highly flammable.
Lower and upper explosion limit	
Lower:	1.7 Vol %
· Upper:	15 Vol %
Flash point:	13 °C
Auto-ignition temperature:	287 °C
 Decomposition temperature: 	Not determined.

Version number 1.1 (replaces version 1.0)

Printing date 16.01.2024

Revision: 16.01.2024

	(Contd. of page
рН	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	59 hPa
Density and/or relative density	
Density at 20 °C:	~0.9 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health a	and
environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive ai
	vapour mixtures are possible.
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Highly flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable ga	ISES
in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

10 Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

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

64-17-5 e	thanol	
Oral	LD50	10,470 mg/kg (rat) (OECD 403)
Dermal	LD50	>2,000 mg/kg (rat)
		12,800 mg/kg (rabbit)
Inhalative	LC50/4h	124.7 mg/m³ (rat) (OECD 403)
107-98-2	1-methox	y-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)
Inholotivo	1 C50/4h	30.04 mg/m ³ (rat) (ECHA)

Version number 1.1 (replaces version 1.0)

Revision: 16.01.2024

(Contd. of page 5)

989-38-8	C.I.	Basic	Red	1	

- Oral LD50 100 mg/kg (ATE)
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
 Serious eye damage/irritation Causes serious eye irritation.
 Respiratory or skin sensitisation May cause an allergic skin reaction.
 Germ cell mutagenicity Based on available data, the classification criteria are not met.
 Carcinogenicity Based on available data, the classification criteria are not met.
 Reproductive toxicity Based on available data, the classification criteria are not met.
 STOT-single exposure Based on available data, the classification criteria are not met.
 - STOT-repeated exposure Based on available data, the classification criteria are not met.
 - Aspiration hazard Based on available data, the classification criteria are not met.
 - 11.2 Information on other hazards
 - Endocrine disrupting properties None of the ingredients is listed.

12 Ecological information

· 12.1 Toxicity

	hanol
LC50/96h	14,200 mg/l (pimephales promelas) (US EPA method E03-0)
	13,000 mg/l (oncorhynchus mykiss)
LC50/48h	5,012 mg/l (ceriodaphnia dubia) (ASTM E729-80)
	12,340 mg/l (daphnia magna)
EC50/48h	12,900 mg/l (algae)
	>10,000 mg/l (ceriodaphnia dubia) (DIN 38412 Teil 11)
	9,950 mg/l (crustaceans)
EC50/96h	12,900 mg/l (pimephales promelas) (US EPA method E03-0)
NOEC	2 mg/l /10d (ceriodaphnia dubia) (ECHA)
	250 mg/l /120h (danio rerio) (OECD 212)
ErC50	275 mg/l /72h (algae) (OECD 201)
ErCx 10%	11.5 mg/l /3d (algae) (OECD 201)
LC50	1,806 mg/l /10d (ceriodaphnia dubia) (ECHA)
	454 mg/l /9d (daphnia magna) (ECHA)
107-98-2 [•]	-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)
12.3 Bioa 12.4 Mobi 12.5 Resu PBT: Not vPvB: Not 12.6 Endo 12.7 Othe	stence and degradability No further relevant information available. ccumulative potential No further relevant information available. lity in soil No further relevant information available. lts of PBT and vPvB assessment applicable. : applicable. pcrine disrupting properties The product does not contain substances with endocrine disrupting properties. r adverse effects Harmful to fish l ecological information:
Additiona	
Additiona General n	oles:

· 13.1 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.

(Contd. on page 7)

GB

9

Version number 1.1 (replaces version 1.0)

	(Contd. of p
Transport information	
14.1 UN number or ID number ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name ADR IMDG, IATA	1263 PAINT, ENVIRONMENTALLY HAZARDOUS PAINT
14.3 Transport hazard class(es) ADR, IMDG	
Class Label	3 Flammable liquids. 3
IATA Class Label	3 Flammable liquids. 3
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards:	Product contains environmentally hazardous substances: C.I. E
Marine pollutant: Special marking (ADR):	Red 1 Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids. 33 F-E, <u>S-E</u> B
14.7 Maritime transport in bulk according to IM instruments	O Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category Tunnel restriction code	2 D/E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1263 PAINT, 3, II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Poisons Act
Regulated explosives precursors
None of the ingredients is listed.
Reportable explosives precursors
None of the ingredients is listed.
Reportable poisons
None of the ingredients is listed.
Reportable poisons
None of the ingredients is listed.
Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

(Contd. on page 8)

GB

Version number 1.1 (replaces version 1.0)

Revision: 16.01.2024

(Contd. of page 7)

Seveso category

Printing date 16.01.2024

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

• 15.2 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

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

· Department issuing SDS: Product Safety Department

Contact: B. Treiber, b.treiber@c-kreul.de

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 GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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 (UK REACH) PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 3: Acute toxicity – Category 3

Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 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 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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