

## Safety Data Sheet according to WHS Regulations

Printing date 10.01.2022

Version number 1.1

Revision: 10.01.2022

### 1 Identification

- **Product identifier**
- **Trade name:**  
**KREUL Textil Marker Opak medium**  
**KREUL Textil Marker Opak fine**  
**(Safety data sheet for the included ink.)**
- **Article number:**  
 92760, 92772, 92769, 92770, 92763, 92765, 92761, 92768, 92764, 92767, 92771, 92762, 92766, 92750, 92781, 92782, 92751, 927061, 927073
- **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  
 DEUTSCHLAND  
 Tel. + 49 (0)9545 / 925 - 0  
 Fax + 49 (0)9545 / 925 - 511  
 E-Mail: info@c-kreul.de
- **Importer**  
 Zart Art Pty Ltd  
 48 Overseas Drive  
 Noble Park North 3174  
 VIC  
 Australia  
 Ph: 61 3 9890 1867 Fax: 61 3 9898 6527
- **Further information obtainable from:** Ph: 61 3 9890 1867 Fax: 61 3 9898 6527
- **Emergency telephone number:**  
 Ph: 61 3 9890 1867 Fax: 61 3 9898 6527 (Monday - Thursday 8.00 - 17.00, Friday 8.00 - 15.00)  
 Poison Centre 13 11 26

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
 The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**  
 EC Regulation 1907/2006 (REACH) differentiates between substances, mixtures and articles. In accordance with the definition of articles in REACH, the European Writing Instrument Manufacturer's Association (EWIMA) considers writing instruments, marker pens etc. to be articles. However, no safety data sheets are provided for articles. In contrast, safety data sheets are mandatory for substances and mixtures. For this reason, the information in the safety data sheet provided always refers to the basic ink and not to the product as a whole.
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 1332-58-7	Kaolin		2.5-<5%
CAS: 111-46-6 EINECS: 203-872-2 Index number: 603-140-00-6	2,2'-oxybisethanol	⚠ Acute Tox. 4, H302	2.5-<5%

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 10.01.2022

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Revision: 10.01.2022

CAS: 57-55-6 EINECS: 200-338-0	Propylene glycol	(Contd. of page 1) 0.5- <2.5%
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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

· **Description of first aid measures**

· **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.

Generally the product does not irritate the skin.

· **After eye contact:**

Rinse opened eye for several minutes under running water.

Remove contact lenses.

· **After swallowing:**

If symptoms persist consult doctor.

Rinse out mouth and then drink plenty of water.

· **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** No further relevant information available.

### 5 Fire Fighting Measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **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:** No special measures required.

· **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** Not required.

· **Environmental precautions:**

Dilute with plenty of water.

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 of the material collected according to regulations.

· **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** No special precautions are necessary if used correctly.

· **Information about fire - and explosion protection:**

No special measures required.

The product is not flammable.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Protect from frost.

Protect from heat and direct sunlight.

· **Specific end use(s)** See chapter 1.2.

### 8 Exposure controls and personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 3)

AU

# Safety Data Sheet

## according to WHS Regulations

Printing date 10.01.2022

Version number 1.1

Revision: 10.01.2022

(Contd. of page 2)

### · Control parameters

#### · Ingredients with limit values that require monitoring at the workplace:

<b>1332-58-7 Kaolin</b>	
WES	Long-term value: 10 mg/m <sup>3</sup>
<b>111-46-6 2,2'-oxybisethanol</b>	
WES	Long-term value: 100 mg/m <sup>3</sup> , 23 ppm
<b>57-55-6 Propylene glycol</b>	
WES	Long-term value: 474* 10** mg/m <sup>3</sup> , 150* ppm *vapour&particulates;**particulates only

· **Additional information:** The lists valid during the making were used as basis.

### · Exposure controls

#### · Personal protective equipment:

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not required.

#### · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · 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.

· **Eye protection:** Goggles recommended during refilling

## 9 Physical and Chemical Properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.

· **pH-value at 20 °C:** 6–9

#### · Change in condition

**Melting point/freezing point:** Undetermined.  
**Initial boiling point and boiling range:** 100 °C

· **Flash point:** >100 °C

· **Flammability (solid, gas):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

#### · Explosion limits:

**Lower:** Not determined.  
**Upper:** Not determined.

· **Vapour pressure at 20 °C:** 23 hPa

· **Density at 20 °C:** ~1 g/cm<sup>3</sup>

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

#### · Solubility in / Miscibility with water:

Fully miscible.

· **Partition coefficient: n-octanol/water:** Not determined.

#### · Viscosity:

**Dynamic:** Not determined.  
**Kinematic:** Not determined.

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

AU  
(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

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Version number 1.1

Revision: 10.01.2022

(Contd. of page 3)

### 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:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

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

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

**111-46-6 2,2'-oxybisethanol**

Oral	LD50	12,565 mg/kg (rat)
Dermal	LD50	11,890 mg/kg (rabbit)

· **Additional toxicological information:**

- **Sensitisation** May cause sensitisation by skin contact.

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **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.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

- |  |                 |
|--|-----------------|
| · <b>UN-Number</b><br>· <b>ADG, IMDG, IATA</b>   | not regulated   |
| · <b>UN proper shipping name</b><br>· <b>ADG, IMDG, IATA</b>                           | not regulated   |
| · <b>Transport hazard class(es)</b><br>· <b>ADG, ADN, IMDG, IATA</b><br>· <b>Class</b> | not regulated   |
| · <b>Packing group</b><br>· <b>ADG, IMDG, IATA</b>                                     | not regulated   |
| · <b>Environmental hazards:</b>  | Not applicable. |
| · <b>Special precautions for user</b>  | Not applicable. |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>            | Not applicable. |

(Contd. on page 5)

AU

# Safety Data Sheet

## according to WHS Regulations

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Version number 1.1

Revision: 10.01.2022

(Contd. of page 4)

· **UN "Model Regulation":** not regulated

### 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**

The mixture is not a scheduled poison under the SUSMP.

111-46-6	2,2'-oxybisethanol	0,4-4%; S5, S6, S10
26530-20-1	2-octyl-2H-isothiazol-3-one	<0,005%; S6
122-99-6	2-phenoxyethanol	< 0,0025%; S6
2682-20-4	2-methyl-2H-isothiazol-3-one	<0,0005%; S6

- **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

- **Directive 2012/18/EU**

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

- **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**

H302 Harmful if swallowed.

- **Department issuing SDS:** Product Safety Department

- **Contact:** Ph: 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

- **\* Data compared to the previous version altered.**

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