



**Material Safety Data Sheet according to Regulation (EC) No. 1907/2006  
(revised by Regulation (EC) No. 453/2010)**

**Ink for JAVANA ART MARKER**

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**1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**1.1 Identification of the substance/preparation**

Trade name Ink for JAVANA ART MARKER  
Article No. 90601 – 90619 / 90625 / 906072, 906073  
Package size pen / 5 pens / 60 pens, 45 pens  
Substance name -  
INDEX No. -  
EG No. -  
CAS No. -  
REACH Registration No. -

**1.2 Use of the substance/preparation**

Ink for painting on textiles.

**1.3 Manufacturer/Supplier**

C. KREUL GmbH & Co. KG  
Carl-Kreul-Strasse 2  
D-91352 Hallerndorf  
Phone no. +49 (0) 9545 925-0  
Fax no. +49 (0) 9545 925-511  
Mail [info@c-kreul.de](mailto:info@c-kreul.de)

**Information provided by**

Mrs. Treiber, [b.treiber@c-kreul.de](mailto:b.treiber@c-kreul.de)

**1.4 Emergency information**

Phone no. +49 (0) 9545 925-0  
Fax no. +49 (0) 9545 925-511

(Monday – Thursday 8.00 – 17.00; Friday 8.00 – 15.00)

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**2. HAZARD IDENTIFICATION**

**2.1 Classification of the substance/preparation**

**Classification according to Regulation (EC) 1272/2008**

The product is not classified as hazardous according to Regulation (EC) 1272/2008.

**2.2 Labelling according to Regulation (EC) 1272/2008**

**Hazard pictogram and signal word of the product**

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**Hazard-determining components of labelling**

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**Hazard statements**

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**European hazard statements**

EUH208 Contains 2-octyl-2H-isothiazol-3-one, 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

**Precautionary statements**

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**2.3 Other Hazards**

None.

Results of PBT and vPvB assessment: Not applicable.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical characterization**

Aqueous preparation of a copolymer dispersion with pigments.

**3.1 Substance related information**

**Main component**

The product is a preparation.

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**INDEX No.** -

**EG No.** -

**CAS No.** -

**REACH Registration No.:** -

**Classification according to Regulation (EC) 1272/2008:** -

**Hazard impurities**

-

**INDEX No.** -

**EG No.** -

**CAS No.** -

**REACH Registration No.:** -

**Classification according to Regulation (EC) 1272/2008:** -

**3.2 Preparation/mixture related information**

None.

**INDEX No.** -

**EG No.** -

**CAS No.** -

**REACH Registration No.:** -

**Classification according to Regulation (EC) 1272/2008:** -

Full text of H- and EUH-phrases: see section 16.



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#### **4. FIRST AID MEASURES**

##### **4.1 General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

##### **After inhalation**

Remove to fresh air, keep patient warm and at rest. In case of unwellness, seek medical advice (show directions for use or safety data sheet if possible).

##### **After skin contact**

In case of skin reactions, consult a physician. After contact with skin, wash with plenty of water and soap. Do NOT use solvents or thinners.

##### **After eye contact**

Remove contact lens. Irrigate copiously with clean, fresh water for at least 10 - 15 minutes, holding the eyelids apart and seek medical advice.

##### **After ingestion**

If swallowed immediately drink: water. Do NOT induce vomiting. In case of unwellness, seek medical advice (show directions for use or safety data sheet if possible). During spontaneous vomiting hold the head of the casualty low with the body in a prone position in order to avoid aspiration.

##### **4.2 The most important acute and delayed appearing symptoms and effects**

No known symptoms to date. See part 11.

##### **4.3 References to medical emergency relief or special treatment**

Further instructions see section 4.1

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#### **5. FIRE-FIGHTING MEASURES**

##### **5.1 Extinguishing media**

Suitable extinguishing media: Foam, water spray and carbon dioxide.

Extinguishing media which must not be used for safety reasons: Full water jet

##### **5.2 Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged**

When product exposed to high temperatures it may produce hazardous decomposition products such as carbon monoxide and carbon dioxide, smoke and other hazards components.

##### **5.3 Special protective equipment**

In case of fire: Wear self-contained breathing apparatus. Use water spray jet to protect personnel and to cool endangered containers. Do not allow the quenching water into the sewage system. Dispose fire debris and contaminated fire fighting water in accordance with official regulations.

##### **5.4 Additional information**

Product itself does not burn. Compare section 3, 7, 8 and 10.



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**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions**

Special danger of slipping by leaking/spilling product.

**6.2 Environmental precautions**

Take up with a liquid absorbing material and proceed according to the waste disposal regulations. Do not empty into drains or watercourses. Further instructions see section 6.3.

**6.3 Methods for cleaning up/collecting**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents. Further instructions see part 10.

**6.4 Additional information**

Further instructions see section 7, 8 and 10.

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**7. HANDLING AND STORAGE**

**7.1 Information for safe handling**

Avoid eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in application area. See protective measures under point 8.

**Precautions against fire and explosion**

No special measures necessary. Product itself does not burn. Further instructions see 7.1.

**7.2 Conditions for safe storage, including incompatibilities**

**Information about storage conditions**

Store between 5 and 30 °C in a dry, well-ventilated place away from sources of heat and direct sunlight. Protect against: frost.

**Hints on joint storage**

Only substances of the same storage class should be stored together. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. The substance should not be stored with substances with which hazardous chemical reactions are possible.

**Requirement for storage rooms and vessels**

Store between 5 and 30 °C in a dry, well-ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Observe label precautions.

**Additional information**

Storage class (VCI): 12 Non-combustible liquids

**7.3 Specific uses**

See point 1.2.



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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Components with critical values that require monitoring at the workplace (exposure limits)**

**None.**

Specification: -  
Value: -  
Peak limitation: -  
Toxic to reproduction: -  
Remark: -

**DNEL/DMEL-Values**

No data available.

**PNEC-Values**

No data available.

**8.2 Occupational exposure controls**

Technical measures and the application of suitable working methods have precedence before the application of personal protective equipment. Suitable judgement methods of the examination of the effectiveness of the grievd preventive measures enclose measuring-technical and non-technical inquiry methods like they in the technical rules for danger materials (TRGS) 402.

**Personal protective equipment**

Do not eat or drink during work. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Avoid contact with eyes. Remove soiled or soaked clothing immediately.

**Respiratory protection**

Provide good ventilation when handling large quantities.

**Skin protection**

Avoid contact with skin. Use rubber gloves according to EN 374.

**Eye protection**

Avoid contact with eyes. Use safety glasses according to EN 166:2001.

**Body protection**

No special measures necessary.

**Limitation and supervision of the environmental exposition**

See section 6 and 7.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 General information**

**Form:** fluid  
**Colour:** refer to label  
**Odour:** characteristic



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**9.2 Relevant safety data**

<b>Flashpoint:</b>	not determined	
<b>Viscosity:</b>	not determined	ISO 2431
<b>Density: (20 °C)</b>	approx. 1,0 g/cm <sup>3</sup>	DIN 53217
<b>Explosive limits:</b>		
Lower / Upper:	not applicable	
<b>Ignition temperature:</b>	not applicable	
<b>Vapour pressure:</b>	not determined	
<b>pH-value:</b>	6 - 9	
<b>Solubility in water:</b>	miscible	

**9.3 Additional information**

No other physical-chemical data available.

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**10. STABILITY AND REACTIVITY**

**10.1 Reactivity**

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. See section 7.

**10.2 Chemical stability**

If handled properly then product has chemical stability.

**10.3 Possible dangerous reactions**

None, if handled according to order. Further instructions see section 10.1 and 10.2.

**10.4 Conditions to avoid**

Keep cool. Protect from sunlight.

**10.5 Incompatible materials**

See section 10.1.

**10.6 Hazardous decomposition products**

When product exposed to high temperatures, it may produce hazardous decomposition products such as carbon monoxide and carbon dioxide, smoke and other hazardous components.

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**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity**

There are no data available on the preparation itself.

**Primary irritant effect**

**after inhalation**

There are no data available on the preparation itself.

**on the skin**

Frequent contact can lead to skin irritation, especially if product is allowed to dry out.



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<b>on the eyes</b>	The liquid splashed in the eyes may cause irritation and reversible damage.
<b>after ingestion</b>	There are no data available on the preparation itself.
<b>Sensitization</b>	No sensitizing effects know.
<b>Chronic</b>	There are no data available on the preparation itself.

**11.2 Additional toxicological information**

The product is classified according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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**12. ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

There are no data available on the preparation itself.

**12.2 Persistence/degradability**

There are no data available.

**12.3 Bioaccumulative potential**

There are no data available.

**12.4 Mobility**

There are no data available.

**12.5 Results of PBT and vPvP assessment**

There are no data available.

**12.6 Other adverse effects**

There are no data available.

**12.7 Further ecological information**

Do not discharge into the drains/surface waters/groundwater.

Water hazard class:

ART MARKER Green, Light Green      WGK 2 hazardous to water

Other Colors      WGK 1 slightly hazardous to water

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**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

Send to a hazardous waste incinerator facility under observation of official regulations. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Recommendation**

Disposal must be made according to official regulations.



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**13.2 European waste code number in accordance with AAV**

EWC No.: 08 01 12 waste paint and varnish other than those mentioned in 08 01 11

**13.3 Packaging**

**Contaminated packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing, may be taken for reuse. Packaging that cannot be cleaned should be disposed in the same manner as the medium.

**Non-contaminated packages**

EWC No.: 15 01 02 plastic packaging

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**14. TRANSPORT INFORMATION**

**14.1 Land transport ADR/RID and GVS/GGVE**

Not classified as hazardous.

Class: -  
Kemler-Code: -  
UN No.: -  
Packaging group: -  
Label: -  
Special marking: -  
Proper shipping name: -  
Classification-Code: -  
Limit: -  
Tunnel restriction code: -

**14.2 Maritime transport IMDG/GGVSea**

Not classified as hazardous.

Class: -  
UN No.: -  
Label: -  
Packaging group: -  
EmS-No.: -  
Marine pollutant: -  
Proper shipping name: -

**14.3 Air transport ICAO-TI and IATA-DGR**

Not classified as hazardous.

ICAO/IATA Class: -  
UN no.: -  
Label: -  
Packaging group: -  
Proper shipping name: -

**14.4 Remarks**

Product contains environmentally hazardous substances: -





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**15. REGULATORY INFORMATION**

**15.1 European Regulation**

**Chemical Safety Assessment:** For this substance a chemical safety assessment is not required.

**15.2 National Regulations**

Statutory order on hazardous incidents (StörfallV): -

Regulation on inflammable liquids: VbF-Class: -

Emission control act ("TA-Luft"): -

Water hazard class:

ART MARKER Green, Light Green      WGK 2 hazardous to water

Other Colors                                      WGK 1 slightly hazardous to water

**15.3 Additional information**

The product is classified according to the EEC directives and the Ordinance on Hazardous Materials (GefStoffV).

If bottle  $\leq$  125 ml then the following H- and P-phrases are not necessary: -

Please check local regulations.

Volatile organic compounds (Swiss): < 3 %.

The advertised use (section 1) is not subject of the Directive 2004/42/EC.

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**16. OTHER INFORMATION**

**16.1 Changes compared with the last version**

The last version was all changed and revised completely. Alterations to the previous edition are marked in the right-hand margin.

**16.2 Literature reference and data source**

Regulation (EC) 1999/45, last changed by Regulation (EC) 1907/2006

Regulation (EC) 67/548, last changed by Regulation (EC) 2009/2

REACH Regulation (EC) 1907/2006, last changed by Regulation (EC) 453/2010

Regulation (EC) 1272/2008, last changed by Regulation (EC) 790/2009

**Internet**

<http://www.baua.de>

<http://www.arbeitssicherheit.de>

<http://www.gischem.de>

**16.3 Full text of H- and R-phrases appearing in section 2 and 3:  
According to Regulation (EC) 1272/2008**

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**EUH – statements**

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**Methods according to article 9 of the order (EC) No. 1272/2008 for the assessment of the information for the purpose of the classification were used:**

Classification according to Regulation (EC) 1272/2008, Annex VII (conversion table)

#### **16.4 Abbreviations and acronyms**

<b>ADR:</b>	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
<b>BImSchV:</b>	Order for the realisation of the Federal Immission Protection Law
<b>CAS:</b>	<b>C</b> hemical <b>A</b> bstracts <b>S</b> ervice
<b>DIN:</b>	Norm of the German institute of standardization
<b>EC:</b>	Effective concentration
<b>EC50:</b>	Effective concentration, 50 percent
<b>EG:</b>	European Community
<b>EINECS:</b>	European Inventory of Existing Commercial Chemical Substances
<b>EN:</b>	European Standard
<b>GefStoffV:</b>	Ordinance on Hazardous Substances, Germany
<b>GHS:</b>	<b>G</b> lobally <b>H</b> armonized <b>S</b> ystem of Classification and Labelling of Chemicals
<b>IATA:</b>	<b>I</b> nternational <b>A</b> ir <b>T</b> ransport <b>A</b> ssociation
<b>IMDG:</b>	International Maritime Code for Dangerous Goods
<b>LC50:</b>	Lethal concentration, 50 percent
<b>LD50:</b>	Lethal dose, 50 percent
<b>Log K<sub>ow</sub>:</b>	n-octanol-water partition coefficient
<b>OECD:</b>	<b>O</b> rganisation for <b>E</b> conomic <b>C</b> o-operation and <b>D</b> evelopment
<b>PBT:</b>	Persistent, bioaccumulateable, toxically
<b>RID:</b>	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
<b>TRGS:</b>	Technical rules for danger materials
<b>UN:</b>	<b>U</b> nited <b>N</b> ations (Vereinte Nationen)
<b>VOC:</b>	<b>V</b> olatile <b>O</b> rganic <b>C</b> ompounds
<b>vPvB:</b>	very much persistent and very bioaccumulateable
<b>VwVwS:</b>	Administrative regulation of hazardous to waters materials
<b>WGK:</b>	Water hazardous class

#### **16.5 Department issuing safety data sheet**

Laboratory, Mrs. Dipl.-Ing. Treiber, [b.treiber@c-kreul.de](mailto:b.treiber@c-kreul.de).

#### **16.6 Additional information**

The data is based on our present knowledge. The data correspond to the national and EEC legislation. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

It is not permitted to use the product for any other application mentioned in chapter 1 except with a written permission. The user is responsible for the compliance with all valid legal regulation.

This safety data sheet is only valid for Ink JAVANA ART MARKER. It's not valid for other products placed in the according sales displays or sets.