

# SAFETY DATA SHEET

## 1. Identification of the substance/preparation and company/undertaking.

NAME 0.3mm Oil Based Marker S.D.S. NO. FSD\_#1

Synonyms Alcohol based ink.

Color(Ink Name) Black(FSD#144 BK), Red(FSD#23 R), Blue(FSD#5 BL), Green(FSD#7 G)

## 2. Composition/information on ingredients.

Contains: major ingrediento.

<u>Chemical name</u>	<u>Classification</u>	<u>Exposure</u>	<u>Cas</u>	<u>EINECS</u>
Methoxy Propanol		100ppm	107-98-2	203-539-1
Ethyl Alcohol		1000ppm	64-17-5	200-578-6
Isopropyl Alcohol		400ppm	67-63-0	200-666-7
Benzyl Alcohol			100-51-6	202-859-9
Resin				
Color Dye				

## 3. Hazards identification.

Irritate eye.

## 4. First Aid measure.

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation	High concentrations – irritation of mucous membranes.	Remove from exposure, rest and keep warm. In severe cases, seek medical attention.
Skin Contact	Slight irritation.	Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention.
Eye Contact	Irritation	Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.
Ingestion	Irritation of gastrointestinal tract.	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. Seek immediate medical attention.

Immediate Treatment / Antidote:

Delayed Effects: Ingestion may result in liver and kidney damage.

## 5. Fire fighting measures.

Suitable Extinguishers	Dry chemical, Foam or Carbon dioxide.
Unsuitable Extinguishers	Water jet
Hazardous Combustion Products	CO, CO <sub>2</sub> , Smoke.
Special Equipment for Fire Fighting	Self contained breathing apparatus.

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## 6. Accidental Release measures.

Safety Precautions	Wear appropriate PPE – See section 8
Environmental Precautions	Do not allow material to contaminate sewers.
Clean up Procedure	Wipe off with dust cloth and transfer into suitable drum or can. Hold for waste disposal. Wash spill site with plenty of water.

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## 7. Handling & Storage.

<u>Handling</u>	Ventilation	Good general ventilation.
Recommended procedures & equipment	Avoid skin and eye contact. Close cap after used. Avoid	
<u>Storage</u>	Temperature range	Cool, below 35°C
	Humidity range	Dry
Keep away from	See section 10	
Suitable storage Media	Polyethylene or polypropylene.	
Precautions against static discharge	Use non-sparking equipment.	

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## 8. Exposure Controls/personal protection.

Exposure Limits                      n.d.

### Protective Measures

Respiratory:    Wear self contained breathing apparatus.

Hand:            PVC or butyl rubber gloves.

Eye:             Safety goggles.

Skin:            Overalls and boots.

Hygiene Measures                      Always wash thoroughly after handling chemicals.

## 9. Physical & Chemical Properties.

Appearance	Alcohol color Ink
Odour	Slightly
Boiling Point/range	78-120°C
Freezing Point/range	<-20°C
Flash Point	11.7°C<
Auto-ignition temperature	270°C<
Explosive limits	2-19 Vol•%
Vapour Pressure	n.d.
Relative density	0.8-1.0
Solubility in water	Soluble
Solubility in solvent	Soluble in most solvents.

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## 10. Stability & Reactivity.

Stability	Stable under normal conditions.
Known Hazardous reactions	None
Conditions to avoid	Heat, high temperature and fire sources.
Materials to avoid	Oxidizing agents.
Hazardous decomposition products	CO, CO <sub>2</sub>

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## 11. Toxicological Information.

### Effects

Low acute oral toxicity, however ingestion may cause systemic effects such as damage liver and kidneys which may become apparent later. High vapour concentrations are irritating to mucous membranes and the respiratory tract. Slight to moderate eye and skin irritant. No reported evidence of carcinogenic, mutagenic or adverse reproductive effects.

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## 12. Ecological Information.

### Environmental Effects

Mobility	Soluble in Water.
Degradability	n.d.
Aquatic Toxicity	n.d.

### 13. Disposal considerations.

Substance Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Container As substance. Used containers must not be cut up or punctured until completely purged of product residues.

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### 14. Transport Information.

UN number	n.a.	Class/Item No.	n.a.
Primary Hazard	n.a.		
Packing Group	n.a.	Emergency Action Code	n.a.
H.T. Number	n.a.		

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### 15. Regulatory Information.

Supply label details	n.a.		
Label Name	n.a.		
Symbols	n.a.		
Risk Phrases	Irritating to eyes.		
Safety Phrases	Close cap after use. Avoid contact with skin and eyes.		
E.E.C. No	n.a.		
Use of this material may be governed by the following regulations		EN-71	

Users are advised to consult these regulations for further information.

The information contained in this data sheet does not constitute an assessment of workplace risks.

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### 16. Other Information.

This material is usually used for: Marking pen ink.

It must not be used for: Avoid high temperature.

#### Legal Disclaimer:

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

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Not applicable: n.a.

Not determined: n.d.