

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : SketchMarker Ink  
Revision date : 22-04-2020  
Print date : 24-06-2020

Version (Revision) : 1.1.0 (1.0.0)

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

### 1.1 Product identifier

SketchMarker Ink (SK-MAR-I)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### Relevant identified uses

Filling for stationery: type 2709, 2507, 8559, 8569, 7709.

#### Products Category [PC]

Dye

#### Process categories [PROC]

Private

### 1.3 Details of the supplier of the safety data sheet

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

MagPaint Europe B.V.

Street : Riezenweg 2

Postal code/city : 7071 PR Uift

Telephone : 0315 386 473

### 1.4 Emergency telephone number

0315 386 473

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms



Flame (GHS02) · Exclamation mark (GHS07)

##### Signal word

Danger

##### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

##### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

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### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

ETHANOL ; EC No. : 200-578-6; CAS No. : 64-17-5

Weight fraction :  $\geq 75 - < 80$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319

PROPAN-2-OL ; EC No. : 200-661-7; CAS No. : 67-63-0

Weight fraction :  $\geq 15 - < 20$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

#### Additional information

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact

Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleansing agent and water. In case of skin irritation, consult a physician.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Water Foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>)

### 5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### 5.4 Additional information

Do not inhale explosion and combustion gases. Do not allow run-off from fire-fighting to enter drains or water courses.

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Remove heat to avoid pressure rise.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (refer to section 8).

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Consult the appropriate authorities about waste disposal.

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clear spills immediately.

### 6.4 Reference to other sections

SECTION 8: Exposure controls/personal protection Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

Wear personal protection equipment (refer to section 8). Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep/Store only in original container. Ensure adequate ventilation of the storage area. Recommended storage temperature Keep away from UV-radiation/sunlight Avoid: Frostbite

### 7.3 Specific end use(s)

#### Recommendation

Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

#### Personal protection equipment

Eye glasses with side protection DIN EN 166

#### Skin protection

##### Hand protection

Breakthrough time (maximum wearing time) Thickness of the glove material Suitable material NBR (Nitrile rubber)

**By short-term hand contact :** In the case of wanting to use the gloves again, clean them before taking off and air them well.

**Suitable material :** NBR (Nitrile rubber)

## SECTION 9: Physical and chemical properties

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## 9.1 Information on basic physical and chemical properties

Odour characteristic Odour threshold No data available

**Appearance :** Liquid

**Colour :** various

**Odour :** Acrylate

### Safety characteristics

<b>Melting point/freezing point :</b>	( 1013 hPa )	No data available
<b>Freezing point :</b>	( 1013 hPa )	No data available
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	78 °C
<b>Decomposition temperature :</b>	( 1013 hPa )	No data available
<b>Flash point :</b>		13 °C
<b>Auto-ignition temperature :</b>		425 °C
<b>Lower explosion limit :</b>		2 Vol-%
<b>Upper explosion limit :</b>		15 Vol-%
<b>Vapour pressure :</b>	( 50 °C )	59 hPa
<b>Density :</b>	( 20 °C )	0,8 g/cm <sup>3</sup>
<b>Water solubility :</b>	( 20 °C )	No data available
<b>pH :</b>		No data available
<b>log P O/W :</b>		No data available
<b>Viscosity :</b>	( 20 °C )	6 - 10 mPa*s
<b>Odour threshold :</b>		No data available
<b>Maximum VOC content (EC) :</b>		67,1 Wt %
<b>Oxidising liquids :</b>	No data available.	
<b>Explosive properties :</b>	Not relevant.	

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

### 10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Acute oral toxicity

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Parameter : LD50 ( ETHANOL ; CAS No. : 64-17-5 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 21 g/kg  
Parameter : LD50 ( ETHANOL ; CAS No. : 64-17-5 )  
Exposure route : Oral  
Species : Rabbit  
Effective dose : 6300 mg/kg  
Parameter : LD50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 5000 mg/kg

#### Acute dermal toxicity

Parameter : LD50 ( ETHANOL ; CAS No. : 64-17-5 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 20 g/kg  
Parameter : LD50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 5000 mg/kg

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

#### 11.2 Toxicokinetics, metabolism and distribution

No data available

#### 11.4 Other adverse effects

There are no data available on the preparation/mixture itself.

### SECTION 12: Ecological information

#### 12.1 Toxicity

No information available.

#### 12.2 Persistence and degradability

The single components are biodegradable.

#### 12.3 Bioaccumulative potential

Mixture not tested.

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6 Other adverse effects

No information available.

### SECTION 13: Disposal considerations

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### 13.1 Waste treatment methods

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Dispose according to legislation.

## SECTION 14: Transport information

### 14.1 UN number

UN 1210

### 14.2 UN proper shipping name

**Land transport (ADR/RID)**

PRINTING INK RELATED MATERIAL

**Sea transport (IMDG)**

PRINTING INK RELATED MATERIAL

**Air transport (ICAO-TI / IATA-DGR)**

PRINTING INK RELATED MATERIAL

### 14.3 Transport hazard class(es)

**Land transport (ADR/RID)**

**Class(es) :** 3  
**Classification code :** F1  
**Hazard identification number (Kemler No.) :** 33  
**Tunnel restriction code :** D/E  
**Special provisions :** 640D · LQ 5 I · E 2  
**Hazard label(s) :** 3

**Sea transport (IMDG)**

**Class(es) :** 3  
**EmS-No. :** F-E / S-D  
**Special provisions :** LQ 5 I · E 2  
**Hazard label(s) :** 3

**Air transport (ICAO-TI / IATA-DGR)**

**Class(es) :** 3  
**Special provisions :** E 2  
**Hazard label(s) :** 3

### 14.4 Packing group

II

### 14.5 Environmental hazards

**Land transport (ADR/RID) :** No

**Sea transport (IMDG) :** No

**Air transport (ICAO-TI / IATA-DGR) :** No

### 14.6 Special precautions for user

None

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU legislation**

**Authorisations and/or restrictions on use**

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### Restrictions on use

Use restriction according to REACH annex XVII, no. : 3, 40

### 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

### 16.1 Indication of changes

15. Restrictions on use

### 16.2 Abbreviations and acronyms

a.i. = Active ingredient  
ACGIH = American Conference of Governmental Industrial Hygienists (US)  
ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road  
AFFF = Aqueous Film Forming Foam  
AISE = International Association for Soaps, Detergents and Maintenance Products (joint project of AISE and CEFIC)  
AOAC = AOAC International (formerly Association of Official Analytical Chemists)  
aq. = Aqueous  
ASTM = American Society of Testing and Materials (US)  
atm = Atmosphere(s)  
B.V. = Beperkt Vennootschap (Limited)  
BCF = Bioconcentration Factor  
bp = Boiling point at stated pressure  
bw = Body weight  
ca = (Circa) about  
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)  
CEFIC = European Chemical Industry Council (established 1972)  
CIPAC = Collaborative International Pesticides Analytical Council  
CLP = REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  
Conc = Concentration  
cP = CentiPoise  
cSt = Centistokes  
d = Day(s)  
DIN = Deutsches Institut für Normung e.V.  
DNEL = Derived No-Effect Level  
DT50 = Time for 50% loss; half-life  
EbC50 = Median effective concentration (biomass, e.g. of algae)  
EC = European Community; European Commission  
EC50 = Median effective concentration  
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)  
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)  
ErC50 = Median effective concentration (growth rate, e.g. of algae)  
EU = European Union  
EWC = European Waste Catalogue  
FAO = Food and Agriculture Organization (United Nations)  
GIFAP = Groupement International des Associations Nationales de Fabricants de Produits Agrochimiques (now CropLife International)  
h = Hour(s)  
hPa = HectoPascal (unit of pressure)  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IC50 = Concentration that produces 50% inhibition  
IMDG Code = International Maritime Dangerous Goods Code  
IMO = International Maritime Organization

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ISO = International Organization for Standardization  
IUCLID = International Uniform Chemical Information Database  
IUPAC = International Union of Pure and Applied Chemistry  
kg = Kilogram  
Kow = Distribution coefficient between n-octanol and water  
kPa = KiloPascal (unit of pressure)  
LC50 = Concentration required to kill 50% of test organisms  
LD50 = Dose required to kill 50% of test organisms  
LEL = Lower Explosive Limit/Lower Explosion Limit  
LOAEL = Lowest observed adverse effect level  
mg = Milligram  
min = Minute(s)  
ml = Milliliter  
mmHg = Pressure equivalent to 1 mm of mercury (133.3 Pa)  
mp = Melting point  
MRL = Maximum Residue Limit  
MSDS = Material Safety Data Sheet  
n.o.s. = Not Otherwise Specified  
NIOSH = National Institute for Occupational Safety and Health (US)  
NOAEL = No Observed Adverse Effect Level  
NOEC = No observed effect concentration  
NOEL = No Observable Effect Level  
NOx = Oxides of Nitrogen  
OECD = Organization for Economic Cooperation and Development  
OEL = Occupational Exposure Limits  
Pa = Pascal (unit of pressure)  
PBT = Persistent, Bioaccumulative or Toxic  
pH = -log<sub>10</sub> hydrogen ion concentration  
pKa = -log<sub>10</sub> acid dissociation constant  
PNEC = Previsible Non Effect Concentration  
POPs = Persistent Organic Pollutants  
ppb = Parts per billion  
PPE = Personal Protection Equipment  
ppm = Parts per million  
ppt = Parts per trillion  
PVC = Polyvinyl Chloride  
QSAR = Quantitative Structure-Activity Relationship  
REACH = Registration, Evaluation and Authorization of Chemicals (EU, see NCP)  
SI = International System of Units  
STEL = Short-Term Exposure Limit  
tech. = Technical grade  
TSCA = Toxic Substances Control Act (US)  
TWA = Time-Weighted Average  
vPvB = Very Persistent and Very Bioaccumulative  
WHO = World Health Organization = OMS  
y = Year(s)

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H225 Highly flammable liquid and vapour.



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H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

## 16.6 Training advice

None

## 16.7 Additional information

None

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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