
SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: Kromagen™ Ink & Concentrates
Kromagen Ranges : Black K170-NH, Black K115-NH, BlackK90-NH, Black K75-NH, Black K60-NH, MB50Y-NH, MB60-NH B, Magenta K65-NH, Magenta K75-NH, Magenta K90-NH, Magenta K100-NH, Magenta K120-NH, Magenta K200-NH, Blue K150-NH, Turquoise K150-NH, Green K150-NH Yellow MB-60, Red 200-NH.

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

- Use of the substance/mixture: Ink, Manufacture of temperature-indicating products and temperature-sensitive decorative effects.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: TMC Hallcrest
- Address of Manufacturer: Riverside Buildings,
Dock Road,
Connah's Quay,
Deeside,
Flintshire, CH5 4DS,
Wales. U.K.
- Telephone: +44 (0) 1244 818348
- Email: Sales@tmc.hallcrest.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1244 818348
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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- CLP: Not Classified

2.2 Label elements

- Signal Word: Not Classified
- Hazard statements
No known significant effects or critical hazards
- Precautionary statements
Avoid release to the environment.

2.3 Other hazards

- No information available
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SECTION 3: Composition/information on ingredients**3.2 Mixtures**

- propan-2-ol; isopropyl alcohol; isopropanol
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SECTION 3: Composition/information on ingredients (....)

CAS Number: 67-63-0
EC Number: 200-661-7
Concentration: 0.5 - 1.5%
Categories: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3
Symbols: GHS02;GHS07
H Statements: H225;H336;H319
Water Hazard Class (Company):
Water Hazard Class (Official): 1

- Colour former
CAS Number: Proprietary
EC Number: Proprietary
Concentration: 3 - 8%
Categories: Aquatic Chronic 3
H Statements: H412
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SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water
- Contact with skin
IF ON SKIN: Gently wash with plenty of soap and water.
- Ingestion
Get medical advice/attention if you feel unwell.
If swallowed, rinse mouth with water (only if the person is conscious)
- Inhalation
Remove person to fresh air and keep comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

- Inhalation
May cause irritation
- Contact with eyes
May cause irritation
- Contact with skin
May cause irritation
- Ingestion
No information available

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

SECTION 5: Firefighting measures (....)

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- No information available

5.3 Advice for firefighters

- Wear suitable respiratory protection
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

6.2 Environmental precautions

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up

6.4 Reference to other sections

- For disposal refer to section 13.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Avoid release to the environment.
- Dispose of contents/container to hazardous waste collection point.

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed and at a temperature not exceeding 35 °C

7.3 Specific end use(s)

- Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- propan-2-ol; isopropyl alcohol; isopropanol
WEL 8-hr limit ppm: 400
WEL 15 min limit ppm: 500
WEL 8-hr limit mg/m3: 999
WEL 15 min limit mg/m3: 1250

8.2 Exposure controls



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

SECTION 9: Physical and chemical properties (....)

- Appearance: Off white to grey liquid
- Odour: Characteristic odour
- Odour threshold: not known ppm
- pH: 5-10
- Melting point - not known
- Freezing point/Range: Not available
- Boiling point - not known
- Flash point - not applicable
- Evaporation rate - not known
- Flammability: Not flammable
- Vapour pressure - not known
- Vapour density - not known
- Specific gravity: 1 - 1.1 g/cm³
- Auto-ignition point - not known
- Explosive Properties: Non-explosive
- Oxidising Properties: No information available
- Solubility in water: Miscible with water

9.2 Other information

- No information available
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SECTION 10: Stability and reactivity

10.1 Reactivity

- No special requirements

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- This article is considered stable under normal conditions

10.4 Conditions to avoid

- No special requirements

10.5 Incompatible materials

- Incompatible with acids and alkalis

10.6 Hazardous decomposition products

- Burning produces obnoxious and irritating fumes.
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- May cause irritation to skin
 - Serious eye damage/irritation: No data available
 - Respiratory or skin sensitisation: No data available.
 - Germ cell mutagenicity - No data is available on this product
 - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
 - Reproductive Effects: No evidence of reproductive effects
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SECTION 11: Toxicological information (....)

- STOT-single exposure: No data is available on this product.
 - STOT-repeated exposure: No data is available on this product.
 - Aspiration hazard: No data is available on this product.
 - Repeated or prolonged exposure :No data is available on this product.
 - propan-2-ol; isopropyl alcohol; isopropanol
Oral Rat LD50: 5000 mg/kg
mg/kg
Dermal Rabbit LD50: 12800 mg/kg
Oral Mouse LD50: 3600
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SECTION 12: Ecological information

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- miscible with water

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other adverse effects

- No information available
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Observe all federal, state and local regulations when disposing of the substance.
 - Avoid release to the environment.
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SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number

- UN No.: Not applicable

14.2 Proper Shipping Name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

SECTION 14: Transport information (....)

- Not Classified

14.6 Special precautions for user

- Not Classified

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not Classified
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SECTION 15: Regulatory information

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

- COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H412: Harmful to aquatic life with long lasting effects.

This information supplied in this Safety Data Sheet is designed only as guidance for the safe use and storage of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information only relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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