
SAFETY DATA SHEET

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

- Product Name: Chromazone Powder
- Product Part Number: 6002

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

- Use of the substance/mixture: Manufacture of colour change inks and coatings. Manufacture of temperature indicating devices. Manufacture of temperature sensitive colour change plastics.

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: Skin Irrit. 2, Eye Irrit. 2

2.2 Label elements

- Signal Word: Warning
- Hazard statements
Causes skin irritation.
Causes serious eye irritation.
- Precautionary statements
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

SECTION 2: Hazards identification (....)

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

- Colour developer
 - CAS Number: Proprietary
 - EC Number: Proprietary
 - Concentration: 5-8%
 - Categories: Skin Irrit. 2, Eye Irrit. 2, STOT SE 3
 - Symbols: WARNING
 - H Statements: H319, H315, H335
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SECTION 4: First aid measures**4.1 Description of first aid measures**

- Contact with eyes
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Contact with skin
 - IF ON SKIN: Wash with plenty of soap and water.
 - If skin irritation occurs: Get medical advice/attention.
- Ingestion
 - Seek medical advice if necessary
 - Do not induce vomiting
- Inhalation
 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - Seek medical advice

4.2 Most important symptoms and effects, both acute and delayed

- Causes irritation
- Irritating to skin
- Causes nausea/vomiting
- Irritating to respiratory system
- May cause shortness of breath

4.3 Indication of any immediate medical attention and special treatment needed

- 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**

- Use as appropriate: Carbon dioxide (CO₂), Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

SECTION 5: Firefighting measures (....)

- Wear suitable respiratory protection
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid raising dust
- Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment.

6.2 Environmental precautions

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly.

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

- Do not allow dust to accumulate on surfaces and equipment
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use personal protective equipment as required.
- Wash contaminated clothing before reuse.
- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Store at ambient temperature
- Store in a dry place. Store in a closed container.

7.3 Specific end use(s)

- On processing FF powders for masterbatch heating may result in generation of formaldehyde. Ensure adequate ventilation of all fumes.
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- DNEL (inhalational): No data for this product

8.2 Exposure controls



- Wear protective gloves/protective clothing/eye protection/face protection.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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

- Appearance: Powder
- colour various according to type
- Odour: Characteristic odour
- pH - not applicable
- Melting point - not applicable
- Boiling point - not applicable
- Flash point - not applicable
- Evaporation rate - not applicable
- Flammability: No information available
- Vapour pressure - not known
- Vapour density - not known
- Specific gravity - not known
- Fat solubility - not known
- Partition coefficient : n-Octanol/water - not known
- Auto-ignition point - not known
- Viscosity - not applicable
- Explosive Properties: Not available
- Oxidising Properties: No information available
- Water solubility - not applicable

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

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- Heating during moulding will generate high levels of formaldehyde vapours which should be vented.

10.4 Conditions to avoid

- Avoid contact with acid

10.5 Incompatible materials

- Contact with strong acids may generate formaldehyde.
- Incompatible with alkalis (strong bases)

10.6 Hazardous decomposition products

- Formaldehyde may be generated and other harmful fumes.
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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

- Acute toxicity: No data is available on this product.
 - Skin corrosion / irritation : Irritating to skin
 - Respiratory or skin sensitisation: No data available.
 - Germ cell mutagenicity - No data is available on this product
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SECTION 11: Toxicological information (....)

- Carcinogenic Effects: 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 information available
 - 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.
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SECTION 12: Ecological information

No information available

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

- insoluble in water

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other adverse effects

- To the best of our knowledge, the properties of this material have not been fully evaluated
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SECTION 13: Disposal considerations

Avoid release to the environment.

13.1 Waste treatment methods

- Absorb spillage in inert material and shovel up
 - Avoid raising dust
 - Disposal should be in accordance with local, state or national legislation
 - This material and its container must be disposed of as hazardous waste
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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)

SECTION 14: Transport information (....)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- 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:- H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation.

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.

--- end of safety datasheet ---
