

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/4

Chromazone Masterbatch Bis A Free

Revision 0

Revision date 2014-12-09

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

1.1. Product identifier

Product name Chromazone Masterbatch Bis A Free

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

Product Use [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU12] Manufacture of plastics products, including compounding and conversion; [PC32] Polymer preparations and compounds; [PROC5] Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact); [ERC3] Formulation in materials; [AC13] Plastic articles;

1.3. Details of the supplier of the safety data sheet

Company Thermographic Measurements Ltd
Address Riverside Buildings
 Dock Road
 Connah's Quay
 Flintshire CH5 4DS
 United Kingdom
Web www.t-m-c.com
Telephone +44 (0)1244 818348
Fax +44 (0)1244 818502
Email sales@t-m-c.com
Email address of the competent person chrisc@t-m-com

1.4. Emergency telephone number

Emergency telephone number +44 (0)1244 818348
 Hours 09.00 to 17.00

Intended use

Manufacture of temperature sensitive colour change plastics.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards No Significant Hazard

2.3. Other hazards

Other hazards On processing FF powders for masterbatch heating may result in generation of formaldehyde. Ensure adequate ventilation of all fumes.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chromazone Masterbatch Bis A Free

Revision 0

Revision date 2014-12-09

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Colour developer					1 - 5%	Xi; R36/37/38

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Colour developer					1 - 5%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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

Inhalation	Plastic masterbatch is granular and as such will not represent a hazard by inhalation. When heated during moulding formaldehyde may be generated which can cause irritation, coughing and shortness of breath.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

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

Inhalation	Remove the affected person from the source of contamination immediately. Seek medical attention if irritation or symptoms persist.
Eye contact	Bathe the eye with running water for 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin contact	No irritation expected. Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon oxides.
--	----------------

5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
--	---

5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
--	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
--	---

6.3. Methods and material for containment and cleaning up

	Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly
--	--

Chromazone Masterbatch Bis A Free

Revision 0

Revision date 2014-12-09

6.3. Methods and material for containment and cleaning up

	with plenty of water.
--	-----------------------

6.4. Reference to other sections

	For disposal see section 13.
--	------------------------------

SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Ensure adequate ventilation of the working area. Avoid contact with eyes.
--	---

7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
--	--

7.3. Specific end use(s)

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

Suitable packaging

	Plastic containers. Stainless steel containers.
--	---

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate engineering controls

	Ensure adequate ventilation of the working area.
--	--

8.2.2. Individual protection measures

	Wear chemical protective clothing.
--	------------------------------------

Eye / face protection

	Approved safety goggles.
--	--------------------------

Skin protection - Handprotection

	Chemical resistant gloves (PVC).
--	----------------------------------

Respiratory protection

	Wear:.. Suitable respiratory equipment.
--	---

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Pellets
Colour	Various colours according to type.
Odour	Mild
Solubility	Insoluble in water

SECTION 10: Stability and reactivity

10.1. Reactivity

	Avoid contact with: Solvents - not hazardous but will soften or damage the masterbatch.
--	---

10.2. Chemical stability

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

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

	No Significant Hazard.
--	------------------------

10.5. Incompatible materials

	No Significant Hazard.
--	------------------------

10.6. Hazardous decomposition products

Chromazone Masterbatch Bis A Free

Revision 0

Revision date 2014-12-09

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1.4. Toxicological Information

Colour developer

Oral Rat LD50: 3400 mg/kg

SECTION 12: Ecological information

Further information

No known adverse environmental effects.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal methods

The product is classified as non hazardous.

Disposal of packaging

Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 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.

Further information

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Other information

Text of risk phrases in Section 3

R36/37/38 - Irritating to eyes, respiratory system and skin.

Text of Hazard Statements in Section 3

Skin Irrit. 2: H315 - Causes skin irritation.

Eye Irrit. 2: H319 - Causes serious eye irritation.

STOT SE 3: H335 - May cause respiratory irritation.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling 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 relates only 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. Heating during moulding will generate high levels of formaldehyde vapours which should be vented.

HMIS LABELLING

HEALTH 0, FLAMMABILITY 1, PHYSICAL HAZARD 1.