

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/6

CHAMELEON MASTERBATCH BIS A FREE

Revision 4
Revision date 2017-03-17

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

1.1. Product identifier

Product name	CHAMELEON MASTERBATCH BIS A FREE
--------------	----------------------------------

1.3. Details of the supplier of the safety data sheet

Company	LCR Hallcrest Ltd
Address	Riverside Buildings Dock Road Connah's Quay Flintshire CH5 4DS United Kingdom
Web	www.lcrhallcrest.com
Telephone	+44 (0) 1244 817107
Fax	+44 (0)1244 818502
Email	sales@lcrhallcrest.com

Intended use

Intended use	Manufacture of temperature sensitive colour change plastics.
--------------	--

SECTION 2: Hazards identification

2.2. Label elements

Hazard Statement	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

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Colour developer					1 - 10%	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.

CHAMELEON MASTERBATCH BIS A FREE

Revision 4

Revision date 2017-03-17

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 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

CHAMELEON MASTERBATCH BIS A FREE

Revision 4
Revision date 2017-03-17

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

Appearance	Pellets
Colour	Various colours according to type.
pH	Not applicable.
Flash point	Not applicable.
Solubility	Insoluble in water

9.2. Other information

	No additional information.
--	----------------------------

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

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

	No data available.
--	--------------------

11.1.2. Mixtures

	No data available.
--	--------------------

11.1.3. Hazard Information

	No data available.
--	--------------------

11.1.4. Toxicological Information

	No data available
--	-------------------

11.1.5. Hazard Class

--	--

CHAMELEON MASTERBATCH BIS A FREE

Revision 4

Revision date 2017-03-17

11.1.5. Hazard Class

No data available.

11.1.6. Classification Criteria

No data available.

11.1.7. Information on likely routes of exposure

No data available.

11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

No data available.

11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

11.1.10. Interactive effects

No data available.

11.1.11. Absence of specific data

No data available.

11.1.12. Mixture versus substance information

No data available.

11.1.13. Other information

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Partition coefficient

Colour developer No data available

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

Persistence (P-):

Persistence result:

No data available.

Bioaccumulation (B-):

Bioaccumulation result:

No data available.

Toxicity (T-):

Toxicity result:

No data available.

12.6. Other adverse effects

No data available.

CHAMELEON MASTERBATCH BIS A FREE

Revision 4

Revision date 2017-03-17

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

14.1. UN number

	The product is not classified as dangerous for carriage.
--	--

14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
--	--

14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
--	--

14.4. Packing group

	The product is not classified as dangerous for carriage.
--	--

14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
--	--

14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
--	--

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
--	--

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 data sheet complies with Regulation (EC) 2015/830.
--	--

	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.
--	--

15.2. Chemical safety assessment

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

Further information

	No additional information.
--	----------------------------

SECTION 16: Other information

Other information

Revision

	This document differs from the previous version in the following areas:.
--	--

CHAMELEON MASTERBATCH BIS A FREE

Revision 4

Revision date 2017-03-17

Other information

	<p>9 - 9.2. Other information.</p> <p>11 - 11.1.4. Toxicological Information.</p> <p>11 - 11.1. Information on toxicological effects.</p> <p>11 - 11.1.2. Mixtures.</p> <p>11 - 11.1.3. Hazard Information.</p> <p>11 - 11.1.5. Hazard Class.</p> <p>11 - 11.1.6. Classification Criteria.</p> <p>11 - 11.1.7. Information on likely routes of exposure.</p> <p>11 - 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics.</p> <p>11 - 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure.</p> <p>11 - 11.1.10. Interactive effects.</p> <p>11 - 11.1.11. Absence of specific data.</p> <p>11 - 11.1.12. Mixture versus substance information.</p> <p>11 - 11.1.13. Other information.</p> <p>12 - 12.1. Toxicity.</p> <p>12 - 12.4. Mobility in soil.</p> <p>12 - 12.2. Persistence and degradability.</p> <p>12 - 12.5. Results of PBT and vPvB assessment.</p> <p>12 - 12.6. Other adverse effects.</p> <p>12 - Persistence result:.</p> <p>12 - Bioaccumulation result:.</p> <p>12 - Toxicity result:.</p> <p>15 - Further information.</p> <p>15 - 15.2. Chemical safety assessment.</p>
Text of Hazard Statements in Section 3	<p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p>

Further information

	<p>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.</p>
HMIS LABELLING	HEALTH 0, FLAMMABILITY 1, PHYSICAL HAZARD 1.