

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/5

Colotemp Range 1 Crayon

Revision 0

Revision date 2015-03-13

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

1.1. Product identifier

Product name Colotemp Range 1 Crayon

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

Product Use [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU24] Scientific research and development;

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

For professional use only in scientific research and development. Temperature measurement and thermal mapping.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC Xi; R43
 Symbols: Xi: Irritant.
Main hazards May cause sensitisation by skin contact.
2.1.2. Classification - EC 1272/2008 Skin Sens. 1: H317;

2.2. Label elements

Hazard pictograms



Signal Word

Warning

Colotemp Range 1 Crayon

Revision 0

Revision date 2015-03-13

2.2. Label elements

Hazard Statement	Skin Sens. 1: H317 - May cause an allergic skin reaction.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P321 - Specific treatment (see on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
cobalt (ii) based pigment					20 - 30%	Xi; R43

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
cobalt (ii) based pigment					20 - 30%	Skin Sens. 1: H317;

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. Remove contaminated clothing. 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	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation of Cobalt bearing mists or dusts can result in Chronic pulmonary effects, it may cause damage to the kidneys, nervous and cardiovascular systems.
Eye contact	Irritating to eyes.
Skin contact	Irritating to skin. May cause sensitisation by skin contact.
Ingestion	Ingestion may cause nausea and vomiting.

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

Inhalation	No data is available on this product.
Eye contact	No data is available on this product.
Skin contact	No data is available on this product.
Ingestion	No data is available on this product.

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

Colotemp Range 1 Crayon

Revision 0

Revision date 2015-03-13

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

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
--	--

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)

	When heating items marked with the crayons adequate ventilation should be used to remove fumes.
--	---

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.
--	---

Occupational exposure controls

	When heating items marked with the crayons adequate ventilation should be used to remove fumes.
--	---

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Solid
Colour	Off white
Odour	Slight
Solubility	Insoluble in water

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Colotemp Range 1 Crayon

Revision 0

Revision date 2015-03-13

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No Significant Hazard.

10.4. Conditions to avoid

No Significant Hazard.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

May cause sensitisation by skin contact.

Further information

Inhalation of Cobalt bearing mists or dusts can result in Chronic pulmonary effects, it may cause damage to the kidneys, nervous and cardiovascular systems.

SECTION 12: Ecological information**Further information**

No constituent has yet been assigned a risk phrase pertaining to ecological effects (R50 to R59) or the symbol N.

SECTION 13: Disposal considerations**General information**

Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information**ADR/RID**

The product is not classified as dangerous for carriage.

IMDG

The product is not classified as dangerous for carriage.

IATA

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 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

Colotemp Range 1 Crayon

Revision 0

Revision date 2015-03-13

Other information

Text of risk phrases in Section 3	R43 - May cause sensitisation by skin contact.
Text of Hazard Statements in Section 3	Skin Sens. 1: H317 - May cause an allergic skin reaction.

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.
--	--