



**SAFETY DATA SHEET**  
according to 1907/2006/EC, Article 31

**SC630**

Revision 3  
Revision date 2011-04-08

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

**1.1. Product identifier**

<b>Product name</b>	SC630
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**1.2. Relevant identified uses of the substance or mixture and uses advised against**

<b>Product Use</b>	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU24] Scientific research and development; [PC9a] Coatings and paints, thinners, paint removers; [PROC7] Industrial spraying; [ERC8a] Wide dispersive indoor use of processing aids in open systems; [AC1] Vehicles;
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**1.3. Details of the supplier of the safety data sheet**

<b>Company</b>	Thermographic Measurements Ltd
<b>Address</b>	Riverside Buildings Dock Road Connah's Quay Flintshire CH5 4DS United Kingdom
<b>Web</b>	www.t-m-c.com
<b>Telephone</b>	+44 (0) 1244 818348
<b>Fax</b>	+44 (0) 1244 818502
<b>Email</b>	info@hallcrest.uk.com

**Description**

	Temperature indicating colour change paint.
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**Intended use**

	Temperature measurement and thermal mapping. For professional use only in research and development.
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**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

<b>2.1.1. Classification - 1999/45/EC</b>	Xn; R20/21 Xi; R38 R10
<b>Main hazards</b>	Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

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

**3.2. Mixtures**

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EINECS No.	REACH Registration Number	Conc. (%w/w)	Classification
Xylene (Xylene, o-,m-,p-or mixed isomers)	601-022-00-9	1330-20-7	215-535-7		20 - 30%	R10 Xn; R20/21 Xi; R38
Cadmium Based Pigment		58339-34-7			10 - 20%	
2-methoxy-1-methylethyl acetate (1-Methoxypropylacetate)	607-195-00-7	108-65-6	203-603-9		10 - 20%	R10

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## 3.2. Mixtures

**SECTION 4: First aid measures**

## 4.1. Description of first aid measures

Inhalation	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

**SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO <sub>2</sub> ), Dry chemical, Foam.
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## 5.2. Special hazards arising from the substance or mixture

	. Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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**SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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## 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 with plenty of water.
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**SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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**SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

2-methoxy-1-methylethyl acetate	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m <sup>3</sup> : 274
	WEL 15 min limit ppm: 100	WEL 15 min limit mg/m <sup>3</sup> : 548
Xylene	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m <sup>3</sup> : 220
	WEL 15 min limit ppm: 100	WEL 15 min limit mg/m <sup>3</sup> : 441

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
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## 8.2. Exposure controls

## 8.2.2. Individual protection measures

## Eye / face protection

Wear chemical protective clothing.

## Skin protection -

Approved safety goggles.

## Handprotection

Chemical resistant gloves (PVC).

## Respiratory protection

Self-contained breathing apparatus. Wear protective clothing.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Red
Odour	Mild
Boiling point	140
Flash point	30
Flammability limits	Flammable
Relative density	1.1

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Oxidising agents.

## 10.4. Conditions to avoid

Heat, sparks and open flames.

## SECTION 11: Toxicological information

## SECTION 12: Ecological information

## 12.1. Toxicity

No data is available on this product.

## SECTION 13: Disposal considerations

## General information

Dispose of in compliance with all local and national regulations.

## SECTION 14: Transport information

## Hazard pictograms

## Hazard pictograms



## 14.1. UN number

UN1263

## 14.2. UN proper shipping name

## Proper Shipping Name

PAINT

## 14.3. Transport hazard class(es)

## ADR/RID


3

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<b>14.3. Transport hazard class(es)</b>		
IMDG	3	
Subsidiary risk	-	
IATA	3	
Subsidiary risk	-	
<b>14.4. Packing group</b>		
Packing group	III	
<b>14.5. Environmental hazards</b>		
Environmental hazards	No	
Marine pollutant	No	
<b>ADR/RID</b>		
Hazard ID	33	
Tunnel Category	D/E	
<b>IMDG</b>		
EmS Code	F-E S-E	
<b>IATA</b>		
Packing Instruction (Cargo)	366	Ltd.Qty. Y344
Maximum quantity	220 L	10L
Packing Instruction (Passenger)	355	Ltd.Qty. Y344
Maximum quantity	60 L	10L

**SECTION 15: Regulatory information****Labelling**

<b>Symbols</b>	The product is classified in accordance with 67/548/EEC. Xn: Harmful. 
<b>Risk phrases</b>	R10 - Flammable. R20/21 - Harmful by inhalation and in contact with skin. R38 - Irritating to skin.
<b>Safety phrases</b>	S36/37 - Wear suitable protective clothing and gloves. P7 - Warning! Contains cadmium. Dangerous fumes are formed during use. See information supplied by the manufacturer. Comply with the safety instructions.

**SECTION 16: Other information****Other information**

<b>Revision</b>	This document differs from the previous version in the following areas: 1 - intended use. 1 - description. 9 - 9.1. information on basic physical and chemical properties. 9 - 9.2. other information.
<b>Text of risk phrases in Section 3</b>	R10 - Flammable R20/21 - Harmful by inhalation and in contact with skin. R38 - Irritating to skin.

**Further information**

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**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.

**HMIS LABELLING**

HEALTH 1,. FLAMMABILITY 3,. PHYSICAL HAZARD 1. PERSONAL PROTECTION: G.