



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

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**SC447**

Revision 1  
Revision date 2011-04-08

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

**1.1. Product identifier**

Product name	SC447
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**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	info@hallcrest.uk.com

**Description**

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

	Temperature measurement and thermal mapping.
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**SECTION 2: Hazards identification**

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

2.1.1. Classification - 1999/45/EC	Xn; R20/21 Xi; R38 R10
Main hazards	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
2-methoxy-1-methylethyl acetate (1-Methoxypropylacetate)	607-195-00-7	108-65-6	203-603-9		30 - 40%	R10
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

**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.
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**4.1. Description of first aid measures**

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 (CO2), 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/m3: 274
	WEL 15 min limit ppm: 100	WEL 15 min limit mg/m3: 548
Xylene	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m3: 220
	WEL 15 min limit ppm: 100	WEL 15 min limit mg/m3: 441

**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).

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## 8.2. Exposure controls

Respiratory protection	Self-contained breathing apparatus. Wear protective clothing.
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## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Green
Odour	Mild
Boiling point	140
Flash point	31
Flammability limits	Flammable
Solubility	Slightly miscible in water

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	Oxidising agents.
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## 10.4. Conditions to avoid

	Heat, sparks and open flames.
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## SECTION 11: Toxicological information

## 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.
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## SECTION 13: Disposal considerations

## General information

	Dispose of in compliance with all local and national regulations.
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## SECTION 14: Transport information

## Hazard pictograms

## Hazard pictograms



## 14.1. UN number

	UN1263
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## 14.2. UN proper shipping name

Proper Shipping Name	PAINT
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## 14.3. Transport hazard class(es)

ADR/RID	3
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-


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<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>
<b>Risk phrases</b>	R10 - Flammable. R20/21 - Harmful by inhalation and in contact with skin. R38 - Irritating to skin.
<b>Safety phrases</b>	S23 - Do not breathe gas/fumes/vapour/spray. S36/37 - Wear suitable protective clothing and gloves. S38 - In case of insufficient ventilation, wear suitable respiratory equipment. S7/9 - Keep container tightly closed and in a well-ventilated place.

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

<b>Revision</b>	This document differs from the previous version in the following areas:. 1 - description. 1 - intended use. 9 - 9.1. information on basic physical and chemical properties. 9 - 9.2. other information. 12 - further information. 15 - symbols. 16 - text of risk phrases in section 3.
<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. All components TSCA compliant.

**HMIS LABELLING**

HEALTH 1,. FLAMMABILITY 2,. PHYSICAL HAZARD 0.