



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

MC153-14

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

1.1. Product identifier

Product name	MC153-14
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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 R10
Main hazards	Flammable. Harmful by inhalation and in contact with 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		10 - 20%	R10 Xn; R20/21 Xi; R38
MC150-12 Pigment		14590-13-7			10 - 20%	Xn; R21/22 Xi; R36

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	Purple / mauve
Odour	Mild
Boiling point	140
Flash point	40
Flammability limits	Flammable
Relative density	1.16

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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14.4. Packing group	
Packing group	III
14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
ADR/RID	
Hazard ID	30
Tunnel Category	D/E
IMDG	
EmS Code	F-E S-E
IATA	
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	
Symbols	The product is classified in accordance with 67/548/EEC. Xn: Harmful. 
Risk phrases	R10 - Flammable. R20/21 - Harmful by inhalation and in contact with skin.
Safety phrases	S36/37 - Wear suitable protective clothing and gloves.
SECTION 16: Other information	
Other information	
Revision	This document differs from the previous version in the following areas:. 1 - description. 9 - 9.2. other information. 9 - 9.1. information on basic physical and chemical properties. 12 - further information. 15 - symbols. 16 - text of risk phrases in section 3.
Text of risk phrases in Section 3	R10 - Flammable R20/21 - Harmful by inhalation and in contact with skin. R21/22 - Harmful in contact with skin and if swallowed. R36 - Irritating to eyes. R38 - Irritating to skin.
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.
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	HEALTH 1,. FLAMMABILITY 3,. PHYSICAL HAZARD 0.
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