

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### PMA (Paint Solvent)

Revision 0

Revision date 2018-03-15

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

##### 1.1. Product identifier

Product name	PMA (Paint Solvent)
CAS No.	108-65-6
EC No.	203-603-9
Index No.	607-195-00-7

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

Description	Solvent for thinning thermal paints.
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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	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
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#### SECTION 2: Hazards identification

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

2.1.2. Classification - EC 1272/2008	Flam. Liq. 3: H226;
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##### 2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Flam. Liq. 3: H226 - Flammable liquid and vapour.
Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed.

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## 2.2. Label elements

<b>Precautionary Statement: Response</b>  <b>Precautionary Statement: Storage</b>  <b>Precautionary Statement: Disposal</b>	P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting// equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P370+P378 - In case of fire: Use to extinguish.
	P403+P235 - Store in a well-ventilated place. Keep cool.
	P501 - Dispose of contents/container to approved waste disposal plant or contractor.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
2-methoxy-1-methylethyl acetate	607-195-00-7	108-65-6	203-603-9	01-2194759129-00	90 - 100%	Flam. Liq. 3: H226;

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Seek medical attention if irritation or symptoms persist.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
<b>Eye contact</b>	May cause irritation to eyes.
<b>Skin contact</b>	May cause irritation to skin.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting.

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

<b>Inhalation</b>	If you feel unwell, seek medical advice (show the label where possible).
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	If you feel unwell, seek medical advice (show the label where possible).
<b>Ingestion</b>	Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### General information

	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Carbon oxides. Alcohol resistant foam.
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### 5.2. Special hazards arising from the substance or mixture

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## 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

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Eliminate all sources of ignition. 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

Absorb with inert, absorbent material. 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. Use explosion proof equipment. Keep away from sources of ignition - No smoking.

### 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)

Do not handle in a confined space. Do not spray on naked flame or any other incandescent material. Ensure adequate ventilation of the working area.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure Limit Values

PMA (Paint Solvent)	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
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

### 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 when necessary.

## SECTION 9: Physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Characteristic
Melting point	-66 °C
Initial boiling point	145 °C
Flash point	45 °C
Upper Explosive Limit	1.5 %
Lower Explosive Limit	7 %
Vapour pressure	355 Pa
Vapour density	3.8 g/cm <sup>3</sup>
Relative density	0.969 (H <sub>2</sub> O = 1 @ 20 °C)
Water solubility	19.8 g/cm <sup>3</sup>
Partition coefficient	1.2 log P
Autoignition temperature	333 °C
Oxidising properties	No
Solubility	Soluble in water

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

Avoid sparks, flames, heat and sources of ignition.

## 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.

## 10.5. Incompatible materials

No Significant Hazard.

## 10.6. Hazardous decomposition products

Burning produces obnoxious and irritating fumes.

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. Observations in animals include: Lethargy.
	Prolonged skin contact with very large amounts may cause dizziness or drowsiness.
Skin corrosion/irritation	No Significant Hazard.
Serious eye damage/irritation	May cause eye irritation. May cause pain disproportionate to the level of irritation to eye tissues. May cause slight corneal injury.
Respiratory or skin sensitisation	Did not cause allergic skin reactions when tested in guinea pigs., For respiratory sensitization: No relevant data found. .
Germ cell mutagenicity	In vitro genetic toxicity studies were negative.
Carcinogenicity	Similar material(s) did not cause cancer in laboratory animals.
Reproductive toxicity	In animal studies, did not interfere with reproduction. In animal studies, did not interfere with fertility.
STOT-repeated exposure	In animals, effects have been reported on the following organs: Kidney. Liver. Nasal tissue.

## 11.1.4. Toxicological Information

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## 11.1.4. Toxicological Information

2-methoxy-1-methylethyl acetate	Oral Rat LD50: 8532 mg/kg	Dermal Rabbit LD50: >5 gm/kg
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## SECTION 12: Ecological information

## 12.2. Persistence and degradability

	Biodegradability: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.
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## 12.3. Bioaccumulative potential

	Bioconcentration potential is low (BCF < 100 or Log Pow < 3).
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## Partition coefficient

	PMA (Paint Solvent) 1.2 log P
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PBT identification:	n-octanol/water(log Pow): 1.2 Measured.
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## 12.4. Mobility in soil

	Potential for mobility in soil is very high (Koc between 0 and 50).
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## 12.5. Results of PBT and vPvB assessment

	PBT this substance is not considered to be persistent, bioaccumulating and toxic (PBT). vPvB this substance is not considered to be very persistent and very bioaccumulating (vPvB).
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## 12.6. Other adverse effects

	This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.
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## Further information

	No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention. Water dissolved constituents biodegradable.
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## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 2008/98/EC.
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## General information


	Dispose of in compliance with all local and national regulations.
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## Disposal methods

	Do not allow product to enter drains. This material and its container must be disposed of in a safe way.
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## SECTION 14: Transport information

## Hazard pictograms

	
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## 14.1. UN number

	UN3272
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## 14.2. UN proper shipping name

	ESTERS, N.O.S. (Propylene glycol momomethyl ether)
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14.3. Transport hazard class(es)	
ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

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-D

IATA	
Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

## SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Regulations	<p>This safety data sheet complies with Regulation (EC) 2015/830.</p> <p>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.</p>

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

## SECTION 16: Other information

Other information	
Text of Hazard Statements in Section 3	Flam. Liq. 3: H226 - Flammable liquid and vapour.

Further information	
HMIS LABELLING	<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.</p> <p>HEALTH 1., FLAMMABILITY 2., PHYSICAL HAZARD 0. PERSONAL PROTECTION : A.</p>