

# SAFETY DATA SHEET

Revision: 3.0 Date: 28 August 2015

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH),  
1272/2008 (CLP) & 2015/830

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## 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**  
Product Name M-Coat A  
Chemical Name Mixture  
CAS No. Mixture  
EINECS No. Mixture  
REACH Registration No. None assigned.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified Use(s) Coatings and paints, thinners, paint removers.  
Uses Advised Against None known.
- 1.3 Details of the supplier of the safety data sheet**  
Company Identification VISHAY MEASUREMENTS GROUP UK LTD  
Stroudley Road  
Basingstoke  
Hampshire  
United Kingdom  
RG24 8FW  
Telephone +44 (0) 1256 462131  
Fax +44 (0) 1256 471441  
E-Mail (competent person) mm.uk@vishaypg.com
- 1.4 Emergency telephone number** (00-1) 703-527-3887  
CHEMTREC

## 2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
**2.1.1 Regulation (EC) No. 1272/2008 (CLP)** Flam. Liq. 3; H226  
Asp. Tox. 1; H304  
Acute Tox. 4; H312  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Acute Tox. 4; H332  
STOT SE 3; H335  
STOT RE 2; H373
- 2.2 Label elements**  
Product Name According to Regulation (EC) No. 1272/2008 (CLP)  
M-Coat A
- Hazard Pictogram(s)
- Signal Word(s) Danger  
Contains: Xylene and Ethylbenzene
- Hazard Statement(s) H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H335: May cause respiratory irritation.  
H373: May cause damage to organs through prolonged or repeated exposure.



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Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260: Do not breathe vapour.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331: Do NOT induce vomiting.

Additional Information

None.

2.3 Other hazards

None.

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Not applicable.

3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Xylene	50 - 60	1330-20-7	215-535-7	None assigned	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373
Oil Modified Polyurethane	30 - 45	-	-	None assigned	Not classified
Ethylbenzene	< 10	100-41-4	202-849-4	None assigned	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373 Aquatic Chronic 3; H412

H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H312: Harmful in contact with skin. H315: Causes skin irritation. H319: Causes serious eye irritation. H332: Harmful if inhaled. H335: May cause respiratory irritation. H373: May cause damage to organs through prolonged or repeated exposure. H412: Harmful to aquatic life with long lasting effects.

## 4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Self-protection of the first aider

Do not breathe vapour. Wear suitable protective clothing. Wear suitable respiratory protective equipment if exposure to high levels of material are likely. Do not use mouth-to-mouth resuscitation.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Apply artificial respiration if necessary. Call a POISON CENTER/doctor.

Skin Contact

IF ON SKIN (or hair): Remove contaminated clothing and wash all affected areas with plenty of water. Contaminated clothing should be thoroughly cleaned.

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Eye Contact	If skin irritation occurs, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	IF SWALLOWED: Rinse mouth. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Immediately call a POISON CENTER/doctor.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	May be fatal if swallowed and enters airways. Harmful in contact with skin or if inhaled. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically. IF SWALLOWED: Do NOT induce vomiting.

## 5. SECTION 5: FIREFIGHTING MEASURES

<b>5.1 Extinguishing media</b> Suitable Extinguishing media Unsuitable extinguishing media	Extinguish preferably with foam, carbon dioxide or dry chemical. Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.
<b>5.2 Special hazards arising from the substance or mixture</b>	Flammable liquid and vapour. May decompose in a fire giving off toxic fumes. Carbon oxides and traces of incompletely burned carbon compounds. May form explosive mixture with air particularly in enclosed spaces. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.
<b>5.3 Advice for fire-fighters</b>	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

## 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation. Stop leak if safe to do so. Eliminate all ignition sources if safe to do so. Take precautionary measures against static discharges. Avoid contact with skin, eyes or clothing. Do not breathe vapour. Ensure suitable personal protection during removal of spillages. See Section: 8.
<b>6.2 Environmental precautions</b>	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.
<b>6.3 Methods and material for containment and cleaning up</b>	Ensure suitable personal protection (including respiratory protection) during removal of spillages. Contain spillages. Use non-sparking equipment when picking up flammable spill. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Ventilate the area and wash spill site after material pick-up is complete. Dispose of this material and its container as hazardous waste (2008/98/EEC).
<b>6.4 Reference to other sections</b>	See Section: 8, 13

## 7. SECTION 7: HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Ensure adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Avoid contact with skin, eyes or clothing. Do not breathe vapour. Use personal protective equipment as required. See Section: 8. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and

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Storage temperature  
Storage life  
Incompatible materials

other ignition sources. No smoking.  
Ambient.  
Stable under normal conditions.  
Keep away from: Strong oxidising agents and polymerisation catalysts, such as peroxy or azo compounds, strong acids, alkalis and oxidising agents.  
See Section: 1.2.

## 7.3 Specific end use(s)

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Xylene, o-,m-,p- or mixed isomers	1330-20-7	50	220	100	441	WEL
Ethylbenzene	100-41-4	100	441	125	552	WEL

Note: WEL: Workplace Exposure Limit (UK HSE EH40).

#### 8.1.2 Biological limit value

Not established.

#### 8.1.3 PNECs and DNELs

Not established.

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Ensure adequate ventilation or use appropriate containment. Atmospheric levels should be controlled in compliance with the occupational exposure limit. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Eyewash bottles should be available.

#### 8.2.2 Individual protection measures, such as personal protective equipment (PPE)

General hygiene measures for the handling of chemicals are applicable. Avoid contact with skin, eyes or clothing. Do not breathe vapour. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place.

Eye/ face protection



Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).

Skin protection



Hand protection: Wear impervious gloves (EN374). Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Body protection: Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection



In case of inadequate ventilation wear respiratory protection. Open system(s): Wear suitable respiratory protective equipment.

Thermal hazards

Not applicable.

#### 8.2.3 Environmental Exposure Controls

Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance  
Odour

Amber liquid  
Benzene-like aromatic odour

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Odour threshold	Not established.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	137°C
Flash point	26°C [Closed cup]
Evaporation rate	0.6 (BuAc=1)
Flammability (solid, gas)	Liquid - Not applicable
Upper/lower flammability or explosive limits	Flammable Limits (Lower) (%v/v): 1.0 (Air) Flammable Limits (Upper) (%v/v): 7.0 (Air)
Vapour pressure	>1.1 bar
Vapour density	3.6 (Air = 1)
Relative density	1.14 g/cm <sup>3</sup>
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

**9.2 Other information** Volatile Organic Compound Content: 589 g/l

## 10. SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Stability and reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Flammable liquid and vapour. The vapour may be invisible, heavier than air and spread along ground. May form explosive mixture with air particularly in enclosed spaces. Susceptible to violent exothermic polymerisation, initiated by heating or the presence of catalysts.
<b>10.4 Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>10.5 Incompatible materials</b>	Keep away from: Strong oxidising agents and polymerisation catalysts, such as peroxy or azo compounds, strong acids, alkalis and oxidising agents.
<b>10.6 Hazardous decomposition product(s)</b>	May decompose in a fire giving off toxic fumes. Carbon oxides and traces of incompletely burned carbon compounds.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects (Substances in preparations / mixtures)</b>	
<b>Acute toxicity</b>	
Ingestion	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 2000 mg/kg bw/day.
Inhalation	Acute Tox. 4: Harmful if inhaled. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 16.4 mg/l.
Skin Contact	Acute Tox. 4: Harmful in contact with skin. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 1897 mg/kg bw/day.
<b>Skin corrosion/irritation</b>	Skin Irrit. 2: Causes skin irritation.
<b>Serious eye damage/irritation</b>	Eye Irrit. 2: Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	Based upon the available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based upon the available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based upon the available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based upon the available data, the classification criteria are not met.
<b>STOT - single exposure</b>	STOT SE 3: May cause respiratory irritation.
<b>STOT - repeated exposure</b>	STOT RE 2: May cause damage to organs through prolonged or repeated exposure.

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11.2 Aspiration hazard Asp. Tox. 1: May be fatal if swallowed and enters airways.  
Other information None.

## 12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity Based upon the available data, the classification criteria are not met.  
Estimated Mixture LC50 > 100 mg/l (Fish)  
12.2 Persistence and degradability Part of the components are biodegradable.  
12.3 Bioaccumulative potential No data.  
12.4 Mobility in soil The product is predicted to have low mobility in soil (Insoluble in water).  
12.5 Results of PBT and vPvB assessment Not classified as PBT or vPvB.  
12.6 Other adverse effects None known.

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Do not release undiluted and unneutralised to the sewer. Dispose of contents in accordance with local, state or national legislation. This material and its container must be disposed of as hazardous waste (2008/98/EEC).  
13.2 Additional Information Containers of this material may be hazardous when empty since they retain product residue.

## 14. SECTION 14: TRANSPORT INFORMATION

ADR/RID / IMDG / IATA  
14.1 UN number UN 1263  
14.2 UN proper shipping name PAINT RELATED MATERIAL  
14.3 Transport hazard class(es) 3  
14.4 Packing group III  
14.5 Environmental hazards Not classified as a Marine Pollutant.  
14.6 Special precautions for user See Section: 2  
14.7 Transport in bulk according to Annex II of MARPOL Not applicable.  
73/78 and the IBC Code  
14.8 Additional Information None.

## 15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
15.1.1 EU regulations Substance(s) of Very High Concern (SVHCs) None.  
15.1.2 National regulations Wassergefährdungsklasse (Germany) Water hazard class: 2  
15.2 Chemical Safety Assessment Not available.

## 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

References: Existing Safety Data Sheet (SDS). Harmonised Classification(s) for Xylene (CAS# 1330-20-7) and Ethylbenzene (CAS# 100-41-4). Existing ECHA registration(s) for Xylene (CAS# 1330-20-7) and Ethylbenzene (CAS# 100-41-4).

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Flam. Liq. 3; H226	Flash Point [Closed cup] Test Result/ Boiling Point (°C)
Asp. Tox. 1; H304	Estimated Viscosity

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Acute Tox. 4; H312	Acute Toxicity Estimate Mixture Calculation
Skin Irrit. 2; H315	Threshold Calculation
Eye Irrit. 2; H319	Threshold Calculation
Acute Tox. 4; H332	Acute Toxicity Estimate Mixture Calculation
STOT SE 3; H335	Threshold Calculation
STOT RE 2; H373	Threshold Calculation

## LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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## Annex to the extended Safety Data Sheet (eSDS)

No information available.