

# SAFETY DATA SHEET

Revision: 3.0 Date: 15.10.2015

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

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

<b>1.1 Product identifier</b>	
Product Name	M-Coat C
Chemical Name	Mixture
CAS No.	Mixture
EINECS No.	Mixture
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified Use(s)	Coatings and paints, thinners, paint removers.
Uses Advised Against	None known.
<b>1.3 Details of the supplier of the safety data sheet</b>	
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
<b>1.4 Emergency telephone number</b>	(00-1) 703-527-3887 CHEMTREC

## SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373
<b>2.2 Label elements</b>	According to Regulation (EC) No. 1272/2008 (CLP)
Product Name	M-Coat C
Hazard Pictogram(s)	
Signal Word(s)	Danger
Contains:	Xylene, Solvent naphtha (petroleum), light aliph. and Trimethoxy(methyl)silane
Hazard Statement(s)	H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H373: May cause damage to organs through prolonged or repeated exposure.
Precautionary Statement(s)	P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P260: Do not breathe vapour.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331: Do NOT induce vomiting.

## Additional Information

None

### 2.3 Other hazards

Contact with water or humid air will form methanol.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Not applicable.

3.2 Mixtures Substances in preparations / mixtures  
EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard classification
Dimethyl Siloxane, Hydroxy-Terminated	< 65	70131-67-8	-	None assigned	Not classified
Xylene	25	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
Trimethylated Silica	< 25	68909-20-6	272-697-1	None assigned	Not classified
Solvent naphtha (petroleum), light aliph.	10	64742-89-8	265-192-2	None assigned	Asp. Tox. 1; H304 *
Trimethoxy(methyl)silane	5 - 10	1185-55-3	214-685-0	None assigned	Flam. Liq. 2; H225 Skin Sens. 1; H317

For full text of H/P Statements see section 16.

\*Contains: < 0.1% Benzene

## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Self-protection of the first aider

Inhalation

Skin Contact

Eye Contact

Do not breathe vapour. Wear suitable protective clothing. Wear suitable respiratory protective equipment if exposure to high levels of material are likely.  
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. If breathing is laboured, oxygen should be administered by qualified personnel. Call a POISON CENTER/doctor if you feel unwell.  
IF ON SKIN: Remove contaminated clothing immediately and drench affected skin with plenty of water, then wash with soap and water. Contaminated clothing should be laundered before reuse. If skin irritation or rash 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

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Ingestion	medical advice/attention. IF SWALLOWED: Rinse mouth. Do not give milk or alcoholic beverages. Do not give anything by mouth to an unconscious person. Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. Product generates methyl alcohol which may cause blindness and damage to nervous system.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

<b>5.1 Extinguishing media</b>	As appropriate for surrounding fire. Extinguishing media: Water spray, dry powder or carbon dioxide.
Suitable Extinguishing media	
Unsuitable extinguishing media	Do not use water jet. Direct water jet may spread the fire.
<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. Silicon Dioxide, Silicon Oxide, Carbon oxides and traces of incompletely burned carbon compounds. Product may emit formaldehyde vapour at temperatures above 180°C in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. Containers may explode when involved in a fire.
<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.

## 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. Avoid all contact. Do not breathe vapour. Use personal protective equipment as required. See Section: 8. The vapour is heavier than air; beware of pits and confined spaces.
<b>6.2 Environmental precautions</b>	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.
<b>6.3 Methods and material for containment and cleaning up</b>	Ensure full personal protection (including respiratory protection) during removal of spillages. Stop leak if safe to do so. Keep upwind. Use non-sparking equipment when picking up flammable spill. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery. 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

## SECTION 7: HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Ensure adequate ventilation. Avoid all contact. 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with moisture.
<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. Keep at temperature not exceeding (°C): 27  
Stable under normal conditions.  
Keep away from: Oxidizing agents. Contact with water or humid air will form methanol.  
Coatings and paints, thinners, paint removers.

## 7.3 Specific end use(s)

## 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	221	100	442	EU IOELV
		-	200	-	400	WEL

Note: IOELV: Indicative Occupational Exposure Limit Value  
WEL: Workplace Exposure Limit (UK HSE EH40).

#### 8.1.2 Biological limit value

SUBSTANCE	CAS No.	Biological monitoring guidance value	Sampling Time
Xylene, o-,m-,p- or mixed isomers	1330-20-7	650 mmol methyl hippuric acid/ mol Creatinine	Post shift

Note: Bmgv: Biological monitoring guidance value (UK HSE EH40)

#### 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. Guarantee that the eye flushing systems and safety showers are located close to the working place.

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

General hygiene measures for the handling of chemicals are applicable. Avoid all contact. Do not breathe vapour. Wash hands before breaks and after work. Keep work clothes separately. Contaminated clothing should be laundered before reuse. 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. Recommended: Neoprene.

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

Respiratory protection

Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. In case of inadequate ventilation wear respiratory protection. Open system(s): Wear suitable respiratory protective equipment. A self contained breathing apparatus may be appropriate.

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Thermal hazards

Not applicable.

## 8.2.3 Environmental Exposure Controls

Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Milky white / Transparent Liquid.
Odour	Naphthalene odour.
Odour threshold	Not available.
pH	Not established.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	107°C
Flash point	>23°C
Evaporation rate	0.6 (BuAc = 1)
Flammability (solid, gas)	Not applicable - Liquid
Upper/lower flammability or explosive limits	Flammable Limits (Lower) (%v/v): 0.9 Flammable Limits (Upper) (%v/v): 6.0
Vapour pressure	25 (mmHg @ 20°C)
Vapour density	3.7 (Air = 1)
Relative density	0.85 (H <sub>2</sub> O = 1)
Solubility(ies)	The substance is essentially 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: 300 g/L

## SECTION 10: STABILITY AND REACTIVITY

10.1 Stability and reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Flammable liquid and vapour. Contact with water or humid air will form methanol.
10.4 Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5 Incompatible materials	Keep away from: Oxidizing agents. Avoid contact with moisture.
10.6 Hazardous decomposition product(s)	May decompose in a fire giving off toxic fumes. Silicon Dioxide, Silicon Oxide, Formaldehyde, Carbon oxides and traces of incompletely burned carbon compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects (Substances in preparations / mixtures)

#### Acute toxicity

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

Based upon the available data, the classification criteria are not met.  
Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 20.0 mg/l.

Skin Contact

Based upon the available data, the classification criteria are not met.

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	Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 2000 mg/kg bw/day.
	Skin Irrit. 2: Causes skin irritation.
	Eye Irrit. 2: Causes serious eye irritation.
	Skin Sens. 1: May cause an allergic skin reaction.
	Based upon the available data, the classification criteria are not met.
	Based upon the available data, the classification criteria are not met.
	Based upon the available data, the classification criteria are not met.
	STOT SE 3: May cause respiratory irritation.
	STOT RE 2: May cause damage to organs through prolonged or repeated exposure.
	Asp. Tox. 1; May be fatal if swallowed and enters airways.
11.2	Other information None.

## SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Based upon the available data, the classification criteria are not met.
12.2	Persistence and degradability	Estimated Mixture LC50 >100 mg/l (Fish)
12.3	Bioaccumulative potential	Part of the components are biodegradable.
12.4	Mobility in soil	The product has low potential for bioaccumulation.
12.5	Results of PBT and vPvB assessment	The product is predicted to have low mobility in soil (Insoluble in water).
12.6	Other adverse effects	Not classified as PBT or vPvB. None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	This material and its container must be disposed of as hazardous waste (2008/98/EEC). Dispose of wastes in an approved waste disposal facility.
13.2	Additional Information	Dispose of contents in accordance with local, state or national legislation.

## SECTION 14: TRANSPORT INFORMATION

		ADR/RID / IMDG / IATA
14.1	UN number	UN 1993
14.2	Proper Shipping Name	FLAMMABLE LIQUID, N.O.S (Xylene)
14.3	Transport hazard class(es)	3
14.4	Packing group	III
14.5	Environmental hazards	Not classified as a Marine Pollutant./Environmentally hazardous substance.
14.6	Special precautions for user	See Section: 2
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
14.8	Additional Information	None.

## 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
	Authorisations and/or Restrictions On Use	None
15.1.2	National regulations	
	Wassergefährdungsklasse (Germany)	Water hazard class: 2
15.2	Chemical Safety Assessment	Not available.

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## 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 Solvent naphtha (petroleum), light aliph. (CAS# 64742-89-8). Existing ECHA registration(s) for Xylene (CAS# 1330-20-7), and the Classification and Labelling Inventory for Trimethylated Silica (CAS# 68909-20-6), Trimethoxy(methyl)silane (CAS# 1185-55-3) and Dimethyl Siloxane, Hydroxy-Terminated (CAS# 70131-67-8).

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Flam. Liq. 3; H226	Boiling Point (°C)/ Estimated Flash Point [Closed cup]
Skin Irrit. 2; H315	Threshold Calculation
Skin Sens. 1; H317	Threshold Calculation
Eye Irrit. 2; H319	Threshold 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: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

### Hazard Statement(s)

H226: Flammable liquid and vapour.

H225: Highly flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

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.

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.

### Disclaimers

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

No information available.