

SAFETY DATA SHEET

Revision: 4.0 Date: 12/11/2020


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 FBT
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)	Adhesives, sealants
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@vpgsensors.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 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT RE 2; H373
2.2 Label elements	Regulation (EC) No. 1272/2008 (CLP)
Product Name	M-Coat FBT
Hazard Pictogram(s)	
Signal Word(s)	Danger
Contains:	Xylene (Mixed isomers)
Hazard Statement(s)	H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H319: Causes serious eye irritation. H373: May cause damage to organs through prolonged or repeated exposure.
Precautionary Statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water.

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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.

Supplemental information

None.

2.3 Other hazards

None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Not applicable

3.2 Mixtures

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

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Isobutylene/Isoprene/Butene/Mineral Filler Blend	< 90	-	-	Not yet assigned in the supply chain	Not classified
Xylene* (Mixed isomers)	< 15	1330-20-7	215-535-7	Not yet assigned in the supply chain	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 Aquatic Chronic 3; H412

*Substance with a community workplace exposure limit

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

Unlikely route of exposure. Mixture is a paste. IF exposed: Remove person to fresh air and keep comfortable for breathing.

Skin Contact

IF ON SKIN: Remove contaminated clothing and wash all affected areas with plenty of water. Contaminated clothing should be thoroughly cleaned. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

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.

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- 4.2 Most important symptoms and effects, both acute and delayed** May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure.
- 4.3 Indication of any immediate medical attention and special treatment needed** Treat symptomatically.
IF SWALLOWED: Do NOT induce vomiting.

5. SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing media**
Suitable Extinguishing media As appropriate for surrounding fire. Extinguish preferably with dry chemical, sand, foam or carbon dioxide.
Unsuitable extinguishing media Do not use water jet. Direct water jet may spread the fire.
- 5.2 Special hazards arising from the substance or mixture** Flammable liquid and vapour. May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide, Phenolics, Acids and Aldehydes. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.
- 5.3 Advice for fire-fighters** 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

- 6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation. Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Use personal protective equipment as required. See Section: 8. Do not breathe vapour.
- 6.2 Environmental precautions** 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.
- 6.3 Methods and material for containment and cleaning up** Ensure suitable personal protection during removal of spillages. Contain spillages. Adsorb spillages onto sand, earth or any suitable adsorbent material. Do NOT absorb in saw-dust or other combustible absorbents. 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).
- 6.4 Reference to other sections** See Section: 8, 13

7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with skin, eyes or clothing. Do not breathe vapour. Ensure adequate ventilation. 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. Take precautionary measures against static discharge.
- 7.2 Conditions for safe storage, including any incompatibilities**
Storage temperature Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, sources of ignition and direct sunlight.
Storage life Ambient.
Incompatible materials Stable under normal conditions.
Keep away from: Acids and Strong oxidising agents (May cause fire).
- 7.3 Specific end use(s)** Adhesives, sealants

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 ³)	STEL (ppm)	STEL (mg/m ³)	Notes
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Xylene, o-,m-,p- or mixed isomers	1330-20-7	50	220	100	441	WEL, Sk, BMGV
		50	221	100	442	IOELV

Sources: WEL: Workplace Exposure Limit (UK HSE EH40), IOELV: Indicative Occupational Exposure Limit Value

Notes:

Sk/Skin: Can be absorbed through the skin.

BMGV: Biological monitoring guidance value.

8.1.2 Biological limit value

Substance	Biological monitoring guidance values	Sampling time
Xylene, o-,m-,p- or mixed isomers	650 mmol methyl hippuric acid/mol creatinine in urine	Post shift

Source: Workplace Exposure Limit (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. Local exhaust recommended. 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 contact with skin, eyes or clothing. Do not breathe vapour. Wash hands before breaks and after work. Keep work clothes separately. Contaminated clothing should be thoroughly cleaned. Do not eat, drink or smoke at the work place.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

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. The gloves type used must be chosen based on the work activity and duration as well as concentration/quantity of material being handled. Recommended: Neoprene.

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

Respiratory protection



Use only in well-ventilated areas. 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 Black paste
Odour Aromatic

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Odour threshold	Not applicable.
pH	Not established.
Melting point/freezing point	Not applicable.
Initial boiling point and boiling range	Not established.
Flash point	Not applicable.
Evaporation rate	0.7 (Xylene)
Flammability (solid, gas)	Not applicable - Liquid.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	3.7 (Xylene)
Relative density	~1.1 g/cm ³ (H ₂ O = 1)
Solubility(ies)	Negligible (Water)
Partition coefficient: n-octanol/water	Not established.
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: 302 g/l

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Hazardous polymerisation will not occur. Flammable liquid and vapour. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. Avoid contact with oxidising substances. May cause fire.
10.4	Conditions to avoid	Keep away from heat, sources of ignition and direct sunlight.
10.5	Incompatible materials	Keep away from: Acids and Strong oxidising agents.
10.6	Hazardous decomposition product(s)	May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide, Phenolics, Acids and Aldehydes.

11. 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. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 2000 mg/kg bw/day.
	Skin corrosion/irritation	Skin Irrit. 2: Causes skin irritation.
	Serious eye damage/irritation	Eye Irrit. 2: Causes serious eye irritation.
	Respiratory or skin sensitization	Based upon the available data, the classification criteria are not met.
	Germ cell mutagenicity	Based upon the available data, the classification criteria are not met.
	Carcinogenicity	Based upon the available data, the classification criteria are not met.
	Reproductive toxicity	Based upon the available data, the classification criteria are not met.
	STOT - single exposure	Based upon the available data, the classification criteria are not met.
	STOT - repeated exposure	STOT RE 2: May cause damage to organs through prolonged or repeated exposure.
	Aspiration hazard	Asp. Tox. 1: May be fatal if swallowed and enters airways.
11.2	Other information	None.

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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	No data for the mixture as a whole. Part of the components are poorly biodegradable. No data
	Isobutylene/Isoprene/Butene/Mineral Filler Blend	No data
	Xylene	Readily biodegradable. (14 days) (OECD 301F)
12.3	Bioaccumulative potential	No data for the mixture as a whole.
	Isobutylene/Isoprene/Butene/Mineral Filler Blend	No data
	Xylene	The substance has low potential for bioaccumulation. BCF: 25.9 (Walsh et al. 1977)
12.4	Mobility in soil	The product is predicted to have low mobility in soil. (Insoluble in water.) No data
	Isobutylene/Isoprene/Butene/Mineral Filler Blend	The substance is predicted to have moderate mobility in soil. Log Koc= 2.73 (Hodson et al 1988).
	Xylene	
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	Dispose of this material and its container as hazardous waste (2008/98/EEC). Send after pre-treatment to a appropriate hazardous waste incinerator facility according to legislation. Dispose of contents in accordance with local, state or national legislation.
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 1139	UN 1139	UN 1139
14.2	UN proper shipping name	COATING SOLUTION	COATING SOLUTION	COATING SOLUTION
14.3	Transport hazard class(es)	3	3	3
14.4	Packing group	III	III	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	.		
	Limited Quantities	5 L		
	Excepted quantities	E1		
	Tunnel restriction code	3 D/E		

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	Not restricted
	Substance(s) of Very High Concern (SVHCs)	None
	CoRAP Substance Evaluation	Xylene: Substance identified for evaluation in 2021
15.1.2	National regulations	
	Wassergefährdungsklasse (Germany)	Water hazard class: 2
15.2	Chemical Safety Assessment	Not available.

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16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1.3; 2.2; 3.2; 8.1.1; 8.1.2; 8.2.2; 12.1; 12.2; 12.3; 12.4; 14.1; 14.2; 14.8; 15.1.1; 16. Updated version and date. Please review SDS with care. See below -

Sections indicated with the following have been revised:

References: Existing Safety Data Sheet (SDS), Harmonised Classification(s) for Xylene (CAS No. 1330-20-7). Existing ECHA registration(s) for Xylene (CAS No. 1330-20-7).

Literature References:

1. Walsh, Armstrong, Bartley, Salman and Frank. 1977. Residues of emulsified xylene in aquatic weed control and their impact on rainbow trout. Appl. Sci. Branch, Eng. Res. Cent. Denver, CO: 15p.
2. Hodson J and Williams NA. 1988. The estimation of the adsorption coefficient (Koc) for soils by high performance liquid chromatography. Chemosphere 17, 67-77.

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Flam. Liq. 3; H226	Estimated Boiling Point (°C) / Estimated Flash Point
Asp. Tox. 1; H304	Estimated Viscosity
Skin Irrit. 2; H315	Threshold Calculation
Eye Irrit. 2; H19	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.



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