

# SAFETY DATA SHEET

Version: 4.0  
Date of Issue: 24-Apr-2017  
Date of First Issue: 13-Aug-2014




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ACCORDING TO OSHA HCS (29 CFR 1910.1200)

## SECTION 1: IDENTIFICATION

<b>Product identifier used on the label</b>	M-Coat FBT
<b>Other means of identification</b>	
Chemical Name	Mixture
CAS No.	Mixture
EINECS No.	Mixture
<b>Recommended use of the chemical and restrictions on use</b>	
Recommended use	Adhesives, sealants.
Restrictions on use	None known.
<b>Details of the supplier of the safety data sheet</b>	
Supplier	VISHAY MEASUREMENTS GROUP, INC.
Address of Supplier	Post Office Box 27777 Raleigh, NC 27611 USA
Telephone	+1 919-365-3800
Fax	+1 919-365-3945
E-Mail (competent person)	<a href="mailto:mm.us@vishaypg.com">mm.us@vishaypg.com</a>
<b>Emergency telephone number</b>	1-800-424-9300 CHEMTREC (24 hours)

## SECTION 2: HAZARD(S) IDENTIFICATION

<b>Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200</b>	
Physical hazards	Flammable Liquid, Category 3
Health hazards	Aspiration hazard, Category 1 Skin corrosion/irritation, Category 2 Eye Irritation, Category 2 Specific target organ toxicity — repeated exposure, Category 2
Environmental hazards	Not Classified
Hazard Symbol	  
Signal Word(s)	Danger
Hazard Statement(s)	Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause damage to organs (central nervous system, liver, kidney, hearing organs ) through prolonged or repeated exposure.
Precautionary Statement(s)	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapour. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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Do NOT induce vomiting.  
IF ON SKIN: Wash with plenty of water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Store locked up.  
IF exposed or concerned: Get medical advice/attention.  
Dispose of contents in accordance with local, state or national legislation.

**Other hazards** None.

**Percent of the mixture consists of ingredient(s) of unknown acute toxicity:** 0%

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Substances** Not applicable

**Mixtures** Substances in preparations / mixtures

Chemical identity of the substance	%W/W	CAS No.	EC No.	Hazard classification
Isobutylene/Isoprene/Butene/Mineral Filler Blend	< 90	-	-	Not classified
Xylene	< 15	1330-20-7	215-535-7	Flammable Liquid, Category 3 Aspiration hazard, Category 1 Acute toxicity, Category 4 (Dermal) Acute toxicity, Category 4 (Inhaled) Skin corrosion/irritation, Category 2 Eye Irritation, Category 2 Specific target organ toxicity — single exposure, Category 3 Specific target organ toxicity — repeated exposure, Category 2

## SECTION 4: FIRST AID MEASURES



### 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.

**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.

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Indication of any immediate medical attention and special treatment needed

Treat symptomatically.  
IF SWALLOWED: Do NOT induce vomiting.

## SECTION 5: FIRE-FIGHTING MEASURES

### 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.

### 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.

### Special protective equipment and precautions 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.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 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.

### 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.

## SECTION 7: HANDLING AND STORAGE

### 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.

### Conditions for safe storage, including any incompatibilities

Storage temperature  
Incompatible materials

Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, sources of ignition and direct sunlight.

Ambient.

Keep away from: Acids and Strong oxidising agents (May cause fire).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 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	1330-20-7	100	435	150*	655*	NIOSH
		100	435	-	-	OSHA
		100	-	150	-	ACGIH, A4

Note: OSHA PELs 1910.1000 TABLE Z-1 / NIOSH RELs / ACGIH TLVs

\*NIOSH 15 minute average values

A4: Not Classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of the lack of data. In vitro or animal studies do not provide indications of carcinogenicity which are sufficient to classify the agent into one of the other categories.

The other components listed in Section 3 do not have occupational exposure limits.

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## Biological Exposure Indices

SUBSTANCE	CAS No.	Determinant	Biological Exposure Indices	Sampling Time	Note
Xylene, o-,m-,p- or mixed isomers	1330-20-7	Methylhippuric acids in urine.	15 g/g Creatinine	End of shift	-

Source: 2015 ACGIH Biological Exposure Indices (BEIs)

The other components listed in Section 3 do not have biological exposure indices.

### 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.

### 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.

#### Eye/face protection



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

#### Skin protection



Hand protection: Wear impervious gloves. 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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Black paste
Odor	Aromatic.
Odor 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 (Butyl acetate = 1)	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 <sup>3</sup> (H <sub>2</sub> O = 1)
Solubility(ies)	Negligible (Water)
Partition coefficient: n-octanol/water	Not established.

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Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
<b>Other information</b>	Volatile Organic Compound Content: 302 g/l

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	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.
<b>Conditions to avoid</b>	Keep away from heat, sources of ignition and direct sunlight.
<b>Incompatible materials</b>	Keep away from: Acids and Strong oxidising agents.
<b>Hazardous decomposition product(s)</b>	May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide, Phenolics, Acids and Aldehydes.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

<b>Acute toxicity - Ingestion</b>	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 2000 mg/kg bw/day.
<b>Acute toxicity - Inhalation</b>	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 20.0 mg/l.
<b>Acute toxicity - Skin Contact</b>	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 2000 mg/kg bw/day.
<b>Skin corrosion/irritation</b>	Skin corrosion/irritation, Category 2: Causes skin irritation.
<b>Serious eye damage/irritation</b>	Eye Irritation, Category 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>	Based upon the available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Specific target organ toxicity — repeated exposure, Category 2: May cause damage to organs through prolonged or repeated exposure. (Affected organs: central nervous system, liver, kidney, hearing organs)
<b>Aspiration hazard</b>	Aspiration hazard, Category 1: May be fatal if swallowed and enters airways.
<b>Information on likely routes of exposure</b>	
Inhalation	Unlikely – accidental exposure
Ingestion	Unlikely – accidental exposure
Skin Contact	Possible – accidental exposure
Eye Contact	Unlikely – accidental exposure
<b>Early onset symptoms related to exposure</b>	Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.
<b>Delayed health effects from exposure</b>	May cause damage to organs through prolonged or repeated exposure. (Affected organs: central nervous system, liver, kidney, hearing organs)
<b>Other information</b>	
NTP Report on Carcinogens	Not listed
IARC Monographs	Xylene - Group 3
OSHA Designated Carcinogen	Not listed

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## SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Based upon the available data, the classification criteria are not met. Estimated LC50 (96 hour) > 100 mg/l (Fish)
<b>Persistence and degradability</b>	No data
<b>Bioaccumulative potential</b>	No data
<b>Mobility in soil</b>	The product is predicted to have low mobility in soil. Solubility (Water): Negligible
<b>Other adverse effects</b>	None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	Dispose of this material and its container as hazardous waste. 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.
<b>Additional Information</b>	Containers of this material may be hazardous when empty since they retain product residue.

## SECTION 14: TRANSPORT INFORMATION

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN number</b>	UN 1993	UN 1993	UN 1993
<b>UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S (Xylene)	FLAMMABLE LIQUID, N.O.S (Xylene)	FLAMMABLE LIQUID, N.O.S (Xylene)
<b>Transport hazard class(es)</b>	3	3	3
<b>Packing group</b>	III	III	III
<b>Environmental hazards</b>	Environmentally hazardous substance	Not classified as a Marine Pollutant./ Environmentally hazardous substance	Environmentally hazardous substance
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.		
<b>Special precautions for user</b>	See Section: 2		

## SECTION 15: REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### US Federal Regulations

TSCA (Toxic Substance Control Act)	Xylene - Subject to 25,000 lb reporting threshold
EPCRA/SARA Section 302 Extremely Hazardous Substances	Not Listed
EPCRA Section 313 Toxics Release Inventory (TRI) Program	Xylene - De Minimis limit: 1%
NIOSH Occupational Carcinogen List	Not Listed
OSHA List of highly hazardous chemicals, toxics and reactives	Not Listed
NTP Report on Carcinogens (RoC) List	Not Listed
Poison Prevention Packaging Act	Xylene - Substance requiring special packaging - Solvents for paint or other similar surface-coating materia

#### US State Regulations

California State, Proposition 65 List	Not Listed
California State, Safer Consumer Products Regulations	Xylene - Initial Candidate Chemicals List
Maine State, Toxic Chemicals in Children's Products Act	Not Listed
New Jersey State Worker and Community RTK Act	Xylene - RTKHSL. SHHSL
Pennsylvania State, Worker and Community RTK Act	Xylene - Hazardous Substance List
Rhode Island State, Hazardous Substances RTK Act	Xylene - Hazardous Substance List

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## Non-Regional

IARC Monographs, List of Classifications

Xylene - Group 3

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: New SDS Regulation compliant with HazCom 2012 format, all sections have been updated to include new information. Please review SDS with care.

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### References:

Existing Safety Data Sheet (SDS). EU Data: Existing ECHA registration(s) for and Harmonised Classification(s) for Xylene (CAS# 1330-20-7)

GHS Classification of the substance or mixture	Classification Procedure
Flammable Liquid, Category 3	Estimated Boiling Point (°C)/ Estimated Flash Point
Aspiration hazard, Category 1	Estimated Viscosity
Skin corrosion/irritation, Category 2	Threshold Calculation
Eye Irritation, Category 2	Threshold Calculation
Specific target organ toxicity — repeated exposure, Category 2	Threshold Calculation

### LEGEND

ACGIH: American Conference of Governmental Industrial Hygienists  
BEI: Biological Exposure Indices (ACGIH)  
IARC: International Agency for Research on Cancer  
Irr: Irritation  
NIOSH: National Institute of Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: The Occupational Safety & Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PEL: Permissible exposure limit

REL: Recommended exposure limit  
SCL: Specific Concentration Limit  
Skin<sup>o</sup>: Risk of overexposure via dermal contact  
STEL: Short Term Exposure Limit  
TLV: Threshold Limit value  
TSCA: Toxic Substance Control Act  
TWA: Time Weighted Average  
URT: Upper respiratory tract  
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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