

SAFETY DATA SHEET

Version: 3.3
Date of Issue: 01/09/23
Date of First Issue: 11/05/12

www.vishaypg.com

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

SECTION 1: IDENTIFICATION

Product identifier used on the label	M-Coat C
Other means of identification	
Chemical Name	Mixture
CAS No.	Mixture
EINECS No.	Mixture
Recommended use of the chemical and restrictions on use	
Recommended use	Coatings and paints, thinners, paint removers.
Restrictions on use	None known.
Details of the supplier of the safety data sheet	
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)	mm.us@vishaypg.com
Emergency telephone number	1-800-424-9300
	CHEMTREC (24 hours)

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200	
Physical hazards	Flammable Liquid, Category 3
Health hazards	Aspiration hazard, Category 1 Skin Corrosion/Irritation, Category 2 Eye Irritation, Category 2B Specific target organ toxicity — single exposure, Category 3 (Respiratory tract) Specific target organ toxicity — repeated exposure, Category 2
Environmental hazards	Hazardous to the aquatic environment, Acute, Category 2 Hazardous to the aquatic environment, Chronic, Category 3
Label elements	
Product Name	M-Coat C
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 eye irritation. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

Version: 3.3
Date of Issue: 01/09/23
Date of First Issue: 11/05/12

www.vishaypg.com

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

Precautionary Statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground and bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Do not breathe vapour.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER/doctor if you feel unwell.
Do NOT induce vomiting.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents in accordance with local, state or national legislation.

Other hazards

None.

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
Dimethyl Siloxane, Hydroxy-Terminated	< 65	70131-67-8	615-070-8	Not classified
Xylene	20 - < 30	1330-20-7	215-535-7	Flammable Liquid, Category 3 Aspiration hazard, Category 1 Acute toxicity, Category 4 (Dermal) Acute toxicity, Category 4 (Inhalation) Skin Corrosion/Irritation, Category 2 Eye Irritation, Category 2B Specific target organ toxicity — single exposure, Category 3 (Respiratory tract) Specific target organ toxicity — repeated exposure, Category 2 Hazardous to the aquatic environment, Acute, Category 2 Hazardous to the aquatic environment, Chronic, Category 3
Trimethylated Silica	< 25	68909-20-6	272-697-1	Not classified
Solvent naphtha (petroleum), light aliph. *	7 - 10	64742-89-8	265-192-2	Aspiration hazard, Category 1
Trimethoxy(methyl)silane	5 - 10	1185-55-3	214-685-0	Flammable Liquid, Category 2

* Contains: < 0.1% Benzene

SECTION 4: FIRST AID MEASURES



Description of first aid measures

SAFETY DATA SHEET

Version: 3.3
Date of Issue: 01/09/23
Date of First Issue: 11/05/12

www.vishaypg.com

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

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.
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. If breathing is laboured, oxygen should be administered by qualified personnel. Call a POISON CENTER/doctor if you feel unwell.
Skin Contact	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.
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 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.
Most important symptoms and effects, both acute and delayed	May be fatal if swallowed and enters airways. Causes skin irritation. Causes 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.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media Suitable Extinguishing Media	As appropriate for surrounding fire. Extinguishing media: Water spray, dry powder 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. 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.
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. 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.
Methods and material for containment and cleaning up	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. 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.

SAFETY DATA SHEET

Version: 3.3
Date of Issue: 01/09/23
Date of First Issue: 11/05/12

www.vishaypg.com

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

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.

Conditions for safe storage, including any incompatibilities

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 other ignition sources. No smoking.

Storage temperature
Incompatible materials

Ambient. Keep at temperature not exceeding (°C): 27
Keep away from: Oxidizing agents. Contact with water or humid air will form methanol.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Xylene, o-,m-,p- or mixed isomers	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.

A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histological type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiological studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

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

Biological Exposure Indices

SUBSTANCE	CAS No.	Determinant	Biological Exposure Indices	Sampling Time	Note
Xylene	1330-20-7	Methylhippuric acids in urine.	15 g/g Creatinine	End of shift	-

Source: ACGIH: American Conference of Governmental Industrial Hygienists - Biological Exposure Index (BEI) 2019

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. 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)

Keep good industrial hygiene. 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.

SAFETY DATA SHEET

Version: 3.3
Date of Issue: 01/09/23
Date of First Issue: 11/05/12

www.vishaypg.com

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

Skin protection



Hand protection: Wear impervious gloves. 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



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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Milky white / Transparent Liquid.
Odor	Naphthalene odor.
Odor Threshold	Not established.
pH	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	107°C
Flash Point	>23 °C
Evaporation rate (Butyl acetate = 1)	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	25 (mmHg @ 20°C)
Vapour density	3.7 (Air = 1)
Relative density	0.85 (H ₂ 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.

Other information

Volatile Organic Compound Content: 300 g/l

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Flammable liquid and vapour. Contact with water or humid air will form methanol.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with moisture.
Incompatible materials	Keep away from: Oxidizing agents.
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

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.

SAFETY DATA SHEET

Version: 3.3
Date of Issue: 01/09/23
Date of First Issue: 11/05/12

www.vishaypg.com

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

Acute toxicity - Inhalation	Based on available data, the classification criteria are not met.
Acute toxicity - Skin Contact	Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 20.0 mg/l. Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 2000 mg/kg bw/day.
Xylene	Acute toxicity, Category 4 EU Harmonised Classification
Skin corrosion/irritation	Skin corrosion/irritation, Category 2: Causes skin irritation.
Xylene	Skin Corrosion/Irritation, Category 2 Irritant effect on skin. (rat) (Chatterjee A et al., 2005)
Serious eye damage/irritation	Mixture: Eye Irritation, Category 2B: Causes eye irritation.
Xylene	Eye Irritation, Category 2B ECHA Registration Endpoint summary: Mildly irritating to eyes.
Respiratory or skin sensitization	Mixture: Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
STOT - single exposure	Mixture: Specific target organ toxicity — single exposure, Category 3: May cause respiratory irritation.
Xylene	Specific target organ toxicity — single exposure, Category 3: May cause respiratory irritation. EU ECHA Registration Endpoint summary: Irritating to eyes, respiratory system and skin.
STOT - repeated exposure	Mixture: Specific target organ toxicity — repeated exposure, Category 2; May cause damage to organs through prolonged or repeated exposure.
Xylene	Specific target organ toxicity — repeated exposure, Category 2 Oral: No adverse effect observed – NOAEC: 3000ppm (OECD 408) Dermal: Slight/mild irritant – NOAEC: < 413 mg/kg bw Day (OECD 410) Inhalation: Adverse effects observed – NOAEC (rat) 3515 mg/m ³ (Carpenter et al. 1975)
Aspiration hazard	Mixture: Aspiration hazard, Category 1; May be fatal if swallowed and enters airways. This product was conservatively classified under the basis of: Expert judgement and high percentage inclusion of components with Aspiration hazard.
Xylene	Aspiration hazard, Category 1 Dynamic viscosity: 0.74 mm ² /s (@20°C) Surface tension: 28.7nM
Solvent naphtha (petroleum), light aliph.	Aspiration hazard, Category 1 EU Harmonised Classification
Information on likely routes of exposure	
Inhalation	Possible – accidental exposure
Ingestion	Unlikely – accidental exposure
Skin Contact	Possible – accidental exposure
Eye Contact	Unlikely – accidental exposure
Early onset symptoms related to exposure	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
Delayed health effects from exposure	May cause damage to organs through prolonged or repeated exposure. (Affected organs: central nervous system, liver, kidney, hearing organs). May be fatal if swallowed and enters airways.
Other information	
NTP Report on Carcinogens	Not listed
IARC Monographs	Xylene: Group 3 - Not classifiable as to its carcinogenicity to humans.
OSHA Designated Carcinogen	Not listed

SAFETY DATA SHEET

Version: 3.3
Date of Issue: 01/09/23
Date of First Issue: 11/05/12

www.vishaypg.com

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	Mixture: Hazardous to the aquatic environment, Acute, Category 2: Toxic to aquatic life. Hazardous to the aquatic environment, Chronic, Category 3: Harmful to aquatic life with long lasting effects.
Xylene	Hazardous to the aquatic environment, Acute, Category 2 Hazardous to the aquatic environment, Chronic, Category 3 Chronic: LC50 (Algae) mg/l: 0.32 (Unnamed publication, 1978)
Persistence and degradability	No data for the mixture as a whole.
Xylene	Readily biodegradable. Water % Degradation: 98% (28 days) (OECD 301 F)
Bioaccumulative potential	No data for the mixture as a whole.
Xylene	The substance has low potential for bioaccumulation. BCF: 25.9 (Walsh et al. 1977) (Read across)
Mobility in soil	No data for the mixture as a whole.
Xylene	The substance is predicted to have moderate mobility in soil. Log Koc: 2.73 (Hodson et al 1988).
Other adverse effects	No data for the mixture as a whole.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	This material and its container must be disposed of as hazardous waste. Dispose of wastes in an approved waste disposal facility. Dispose of contents in accordance with local, state or national legislation.
--------------------------------	--

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

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

US Federal Regulations

TSCA Inventory	All chemicals listed
TSCA Chemical Data Reporting (CDR) Rule	Xylene: Listed Trimethoxy(methyl)silane: Listed
NIOSH Occupational Carcinogen List	All chemicals are not listed
EPCRA Section 313	Xylene: Listed
CWA 307- Toxic	All chemicals are not listed
CERCLA - Hazardous Substances	Xylene: Listed
CWA Section 311 List of Hazardous Substances	Xylene: Listed
CAA Section 112(r) Regulated Chemicals for Accidental Release Prevention	Xylene: Listed

US State Regulations

Proposition 65 (California)	All chemicals are not listed
Massachusetts, New Jersey, Pennsylvania, Rhode Island- State Right to Know Lists	Xylene: Listed

SAFETY DATA SHEET

Version: 3.3
Date of Issue: 01/09/23
Date of First Issue: 11/05/12

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

New York - State Right to Know Lists Xylene: Listed
Minnesota - State Right to Know Lists Xylene: Listed
Massachusetts – Toxic Use reduction act Xylene: Listed

Non-Regional
IARC Monographs, List of Classifications Xylene: Group 3

SECTION 16: OTHER INFORMATION

The following sections have updates indicated by -

Version 3.3
Revision Date 01/09/23
Date of First Issue 11/05/12

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).

Literature References

1. Chatterjee A, Babu R, Abaghotu E and Singh M. 2005. The effect of occlusive and unocclusive exposure to xylene and benzene on skin irritation and molecular responses in hairless rats. Arch Toxicol 79: 294-301.
2. Carpenter CP, Kinkead ER, Geary DJ, et al. 1975. Petroleum hydrocarbon toxicity studies: V. Animal and human response to vapors of mixed xylenes. Toxicol Appl Pharmacol 33:543-558.
3. 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.
4. Hodson J and Williams NA. (1988). The estimation of the adsorption coefficient (Koc) for soils by high performance liquid chromatography. Chemosphere 17, 67-77.
5. KOWWIN v1.68. 2011. Results from KOWWIN v1.68. EPIWEB v4.10.
6. Sabljic, A, Güsten H, Verhaar H, Hermens J (1995) QSAR modelling of soil sorption. Improvements and systematics of log KOC vs. log KOW correlations. Chemosphere Volume 31, Issues 11–12, December 1995, Pages 4489–4514.

Classification of the substance or mixture	Classification Procedure
Flammable Liquid, Category 3	Expert judgement
Aspiration hazard, Category 1	Expert judgement
Skin Corrosion/Irritation, Category 2	Threshold Calculation
Eye Irritation, Category 2B	Threshold Calculation
Specific target organ toxicity — single exposure, Category 3 (Respiratory tract)	Threshold Calculation
Specific target organ toxicity — repeated exposure, Category 2	Threshold Calculation
Hazardous to the aquatic environment, Acute, Category 2	Summation Calculation
Hazardous to the aquatic environment, Chronic, Category 3	Summation 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*: 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

SAFETY DATA SHEET



Version: 3.3
Date of Issue: 01/09/23
Date of First Issue: 11/05/12

www.vishaypg.com

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

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

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Vishay Precision Group gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Vishay Precision Group accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.



Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "VPG"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

The product specifications do not expand or otherwise modify VPG's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

VPG makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. **To the maximum extent permitted by applicable law, VPG disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.**

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on VPG's knowledge of typical requirements that are often placed on VPG products. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. You should ensure you have the current version of the relevant information by contacting VPG prior to performing installation or use of the product, such as on our website at vpgsensors.com.

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of VPG.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling VPG products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify VPG for any damages arising or resulting from such use or sale. Please contact authorized VPG personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Copyright Vishay Precision Group, Inc., 2014. All rights reserved.