

SAFETY DATA SHEET

Revision: 1.1 Date: 17.08.2015

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	Barrier WD
	Chemical Name	Petroleum Wax Blend
	CAS No.	None assigned.
	EINECS No.	None assigned.
	REACH Registration No.	None assigned.
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Identified Use(s)	Strain gauge installation
	Uses Advised Against	None known.
1.3	Details of the supplier of the safety data sheet	
	Company Identification	VISHAY MEASUREMENTS GROUP, INC. Post Office Box 27777 Raleigh, NC 27611 USA
	Telephone	919-365-3800
	Fax	919-365-3945
	E-Mail (competent person)	mm.us@vishaypg.com
1.4	Emergency telephone number	1-800-424-9300 CHEMTREC

2. SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the substance or mixture	
2.1.1	GHS Classification	Not classified as dangerous for supply/use.
2.2	Label elements	GHS Classification
	Product Name	Barrier WD
	Hazard Pictogram(s)	None assigned.
	Signal Word(s)	None assigned.
	Hazard Statement(s)	None assigned.
	Precautionary Statement(s)	None assigned.
2.3	Other hazards	None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Substances	
	100 % Non-hazardous ingredients	

4. SECTION 4: FIRST AID MEASURES



4.1	Description of first aid measures	
	Inhalation	Unlikely route of exposure (Solid).

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Skin Contact	Wash skin with soap and water. If skin irritation occurs: Get medical advice/attention. The molten form can cause thermal burns if in contact with skin. If hot wax touches skin, drench or immerse the area in cold water to assist cooling. Do not try to remove wax from burn. Do not put ice on the burn; Remove non-sticking garments carefully. DO NOT attempt to remove portions of clothing glued to burnt skin but cut round them.
Eye Contact	Flush eyes with water for at least 15 minutes while holding eyelids open. If eye irritation persists, get medical advice/attention. The molten form can cause thermal burns if in contact with eyes. If hot product is splashed into the eye, it should be cooled immediately to dissipate heat, under cold running water. Obtain immediate medical attention.
Ingestion	Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. If symptoms develop, obtain medical attention. Repeated exposure may cause skin dryness or cracking. When molten: Contact with hot liquid causes skinburns.
4.2 Most important symptoms and effects, both acute and delayed	Unlikely to be required but if necessary treat symptomatically. Obtain medical treatment for thermal burn.
4.3 Indication of any immediate medical attention and special treatment needed	

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media	Extinguish preferably with dry chemical, sand, foam or carbon dioxide. Do not use water jet. May spread fire.
Suitable Extinguishing media	
Unsuitable extinguishing media	
5.2 Special hazards arising from the substance or mixture	May decompose in a fire giving off toxic fumes. (Carbon oxides and traces of incompletely burned carbon compounds).
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	Eliminate all ignition sources if safe to do so. Wear suitable gloves if prolonged skin contact is likely. Use gloves with insulation for thermal protection, when needed. Wash hands thoroughly after handling.
6.2 Environmental precautions	Avoid run off to waterways and sewers.
6.3 Methods and material for containment and cleaning up	Contain spillages. Allow product to cool/solidify and pick up as a solid. Transfer to a container for disposal.
6.4 Reference to other sections	See Section: 8, 13

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Wear suitable gloves if prolonged skin contact is likely. Use gloves with insulation for thermal protection, when needed. Avoid contact with skin, eyes or clothing. Do not breathe fumes. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
7.2 Conditions for safe storage, including any incompatibilities	Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, sources of ignition and direct sunlight.
Storage temperature	Ambient. < 48°C
Storage life	Stable under normal conditions.
Incompatible materials	Keep away from: Oxidizing agents and Acids.
7.3 Specific end use(s)	Strain gauge installation

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION




8.1 Control parameters	
8.1.1 Occupational Exposure Limits	Not established.

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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. Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved. Atmospheric levels should be controlled in compliance with the occupational exposure limit.
8.2.2	Individual protection measures, such as personal protective equipment (PPE)	Use personal protective equipment as required. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.
	Eye/ face protection	Wear eye protection with side protection (EN166).
		
	Skin protection	Wear impervious gloves (EN374). Use gloves with insulation for thermal protection, when needed.
		
	Respiratory protection	If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
		
	Thermal hazards	Hot/molten product: If splashing is likely, full head and face protection (protective shield and/or safety goggles) should be used. Wear protective clothing for operations with hot material: heat resistant coveralls (with trousers legs over boots and sleeves over cuffs of gloves), heat resistant heavy duty antiskid boots (e. g. leather).
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	Yellow semi-solid paste
	Odour	Mild odour/No odour.
	Odour threshold	Not available.
	pH	Not established.
	Melting point/freezing point	48.9-60°C
	Initial boiling point and boiling range	Not available.
	Flash point	>202.4°C
	Evaporation rate	Not available.
	Flammability (solid, gas)	Non-flammable.
	Upper/lower flammability or explosive limits	Not available.
	Vapour pressure	Not available.
	Vapour density	Not available.
	Relative density	<1 (Water=1)
	Solubility(ies)	Insoluble (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	None.

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10. 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	Hazardous polymerisation will not occur.
10.4	Conditions to avoid	Keep away from heat, sources of ignition and direct sunlight.
10.5	Incompatible materials	Keep away from: Oxidizing agents and Acids.
10.6	Hazardous decomposition product(s)	May decompose in a fire giving off toxic fumes. Carbon oxides and traces of incompletely burned carbon compounds

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.
	Inhalation	Based upon the available data, the classification criteria are not met.
	Skin Contact	Based upon the available data, the classification criteria are not met.
	Eye Contact	Based upon the available data, the classification criteria are not met.
	Irritation	Based upon the available data, the classification criteria are not met.
	Corrosivity	Based upon the available data, the classification criteria are not met.
	Sensitisation	Based upon the available data, the classification criteria are not met.
	Repeated dose toxicity	Based upon the available data, the classification criteria are not met.
	Carcinogenicity	Based upon the available data, the classification criteria are not met.
	Mutagenicity	Based upon the available data, the classification criteria are not met.
	Toxicity for reproduction	Based upon the available data, the classification criteria are not met.
	Aspiration hazard	Based upon the available data, the classification criteria are not met.
11.2	Other information	
	NTP Report on Carcinogens	Not listed
	IARC Monographs	Not listed

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	The product is not biodegradable.
12.3	Bioaccumulative potential	No data.
12.4	Mobility in soil	The substance may adsorb onto soils and sediments.
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 contents in accordance with local, state or national legislation.
13.2	Additional Information	None.

14. SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

		ADR/RID / IMDG / IATA
14.1	UN number	None assigned.
14.2	UN proper shipping name	None assigned.
14.3	Transport hazard class(es)	None assigned.
14.4	Packing group	None assigned.
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.

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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 National regulations

OSHA Occupational Safety and Health Standards None

15.1.1 European regulations

Substance(s) of Very High Concern (SVHCs) None.
Wassergefährdungsklasse (Germany) Non-hazardous ingredients

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).

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 Toxic
NTP	National Toxicology Program
IARC	International Agency for Research on Cancer

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.