SAFETY DATA SHEET

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M-Coat W1

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ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

SECTION 1: IDENTIFICATION

1.1 GHS Product identifier

Product name	M-Coat W1
CAS No.	63231-60-7

1.2 Recommended use of the chemical and restrictions on use

Identified Use(s)	PC9a Coatings and paints, thinners, paint removers
Uses advised against	None Known

1.3 Details of the supplier

Company Identification	VISHAY MEASUREMENTS GROUP, INC. Post Office Box 27777 Raleigh, NC 27611 USA
Telephone	+1 919-365-3800
E-mail (competent person)	mm.us@vpgsensors.com

Importer/Distributor name, address and telephone number

Name	
Company Address	
Telephone	

1.4 Emergency Phone No.

Emergency Phone No.	1-800-424-9300 (24 hours) 61-290372994 (for spills and releases) CHEMTREC (24 hours)
Languages spoken	English

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 In accordance with the Safe Work Australia model Work Health and Safety Regulations (2020) & GHS 7 — Not classified as hazardous for supply/use.

2.2 GHS label elements, including precautionary statements

Product name	M-Coat W1
Hazard Pictogram(s)	None assigned
Signal Word(s)	None assigned.
Hazard Statement(s)	None assigned.
Precautionary Statement(s)	None assigned.

2.3 Other hazards which do not result in classification — None assigned.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical identity of the substance	Common name(s), synonym(s) of the substance	CAS No.	EC No.

Paraffin waxes and Hydrocarbon waxes, microcryst.	Cera Microcristallina; Microcrystalline wax	63231-60-7	264-038-1

3.2 **Mixtures -** Not applicable.

SECTION 4: FIRST AID MEASURES

4.1 **Description of necessary first-aid measures**

Self-protection of the first aider	Wear suitable protective clothing. Contaminated clothing should be thoroughly cleaned.
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact	IF ON SKIN (or hair): Wash skin with soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	IF IN EYES: Flush eyes with water for at least 15 minutes while holding eyelids open. If hot product is splashed into the eye, it should be cooled immediately to dissipate heat, under cold running water. If eye irritation persists, get medical advice/attention.
Ingestion	IF SWALLOWED: Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting. Do not give anything by mouth to an unconscious person. If symptoms persist, obtain medical attention.

4.2 **Most important symptoms/effects, acute and delayed** Vapors at high temperatures may cause irritation.

4.3 **Indication of immediate medical attention and special treatment needed, if necessary** Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 **Extinguishing media**

Suitable extinguishing media	As appropriate for surrounding fire. Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Unsuitable extinguishing media	Do not use water jet. Direct water jet may spread the fire.

5.2 **Specific hazards arising from the chemical** May decompose in a fire giving off toxic fumes.: Carbon monoxide and Carbon dioxide.

5.3 **Special protective actions for fire-fighters** Caution - spillages may be slippery. Shut off leaks if without risk. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Evacuate the area and keep personnel upwind. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

5.4 **Hazchem Code** Not applicable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures** Use personal protective equipment as required. Wear suitable gloves if prolonged skin contact is likely. Wash hands thoroughly after handling.

6.2 **Environmental precautions** Floats on water. Avoid release to the environment. Avoid run off to waterways and sewers.

6.3 **Methods and material for containment and cleaning up** Caution - spillages may be slippery. Clean up spill immediately. Sweep up and shovel into waste drums or plastic bags. Wipe up remainder then remove to safe place. Transfer to a container for disposal. Recover or recycle if possible.

6.4 **Reference to other sections** See Section: 8,13

SECTION 7: HANDLING AND STORAGE

7.1	**Precautions for safe handling**	Wear suitable gloves if prolonged skin contact is likely. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated clothing should be laundered before reuse.
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. Suitable containers: Mild steel, Stainless steel, pressboard boxes.
	Storage temperature	Ambient.
	Storage measures	Stable under normal conditions.
	Incompatible materials	Keep away from: Oxidizing agents
7.3	**Specific end use(s)**	See Section: 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits — Not established

8.1.2 Biological limit value — Not established

8.2 Exposure controls

8.2.1 Appropriate engineering controls — Ensure adequate ventilation.

8.2.2 Individual protection measures, such as personal protective equipment — 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. Wash contaminated clothing before reuse. Avoid contact with skin and eyes.

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).

Body protection: Wear suitable coveralls to prevent exposure to the skin.

Respiratory protection

Normally no personal respiratory protection is necessary. The substance is involatile.
Recommended: Organic vapor cartridge with a particulate pre-filter, type AP2.

Thermal hazards — Not applicable.

8.2.3 Environmental exposure controls — Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS

9.1 Basic physical and chemical properties

Physical state	Wax @ 20 ℃
Colour	White - Amber
Odour	Petroleum spirit odour
Melting point/freezing point	60 – 95 ℃
Boiling point or initial boiling point and boiling range	$\geq$ 341 $\leq$ 665 ℃
Flammability	Non-flammable; paraffin waxes and petrolatums will burn if ignited.

Lower and upper explosion limit/flammability limit	LEL: 0.9 UEL: 7
Flash point	ca. 317 ℃
Auto-ignition temperature	246 ℃
Decomposition temperature	No data available
pH	Not established
Kinematic viscosity	not applicable
Solubility	Immiscible with water.
Partition coefficient n-octanol/water (log value)	5.3 - 6.7 log Pow
Vapour pressure	0-20 Pa at 80 ℃
Density and/or relative density	0.79 - 0.94 g/cm³ (H_2O = 1)
Relative vapour density	>5 (Air = 1)
Particle characteristics	No data available

9.2 Other information

Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

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.
10.4	**Conditions to avoid**	Temperatures above melting point.
10.5	**Incompatible materials**	Oxidizing agents (Peroxides, Chlorine, Liquid Oxygen)
10.6	**Hazardous decomposition products**	May decompose in a fire giving off toxic fumes. Oxides of nitrogen, sulphur and carbon may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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.
Acute toxicity - Inhalation	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 >20.0 mg/l.
Acute toxicity - Dermal	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	Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitisation	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	Based upon the available data, the classification criteria are not met.
Aspiration hazard	Based upon the available data, the classification criteria are not met.

Information on likely routes of exposure

Inhalation	Unlikely – accidental exposure
Ingestion	Unlikely – accidental exposure
Skin contact	Possible – accidental exposure
Eye contact	Unlikely – accidental exposure

Symptoms related to the physical, chemical and toxicological characteristics	not applicable
Delayed and immediate effects and also chronic affects from short and long term exposure	not applicable

	Numerical measures of toxicity (such as acute toxicity estimates)	None Known
	Interactive effects	None Known
11.2	**Other information**	None Known
	NTP Report on Carcinogens	No components listed.
	IARC Monographs	No components listed.

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	Acute Toxicity	Based upon the available data, the classification criteria are not met.
12.3	Chronic Toxicity	Based upon the available data, the classification criteria are not met.
12.4	**Persistence and degradability**	No data for the mixture as a whole.
12.5	**Bioaccumulative potential**	No data for the mixture as a whole.
12.6	**Mobility in soil**	No data for the mixture as a whole.
12.7	**Other adverse effects**	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	**Safe handling and disposal methods**	Make sure that packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself. Dispose of contents in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

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

		ADR/RID/ADG	**IMDG/ADN**	**IATA/ICAO**
14.1	**UN number**	Not classified	Not classified	Not classified
14.2	**UN proper shipping name**	Not classified	Not classified	Not classified
14.3	**Transport hazard class(es)**	Not classified	Not classified	Not classified
14.4	**Packing group**	Not classified	Not classified	Not classified
14.5	**Environmental hazards**	Not classified	Not classified as a Marine Pollutant.	Not classified
14.6	**Special precautions for user**	See Section: 2		
14.7	**Transport in bulk according to IMO instruments**	Not applicable		

SECTION 15: REGULATORY INFORMATION

15.1	**Safety, health and environmental regulations specific for the product in question**	
15.2	**International regulations**	
	Montreal Protocol / Stockholm Convention / Rotterdam Convention / Basel Convention / MARPOL	Not listed
	IARC Monographs	Not applicable
15.3	**National regulations**	
	Australian Inventory of Chemical Substances	Listed
	NICNAS - Priority Existing Chemicals	Not listed
	NICNAS - IMAP Framework	Not listed
	NICNAS - High Volume Industrial Chemical List	Not listed
	National Pollutant Inventory	Not listed
	The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)	Not listed

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable V1.0.

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References:
Existing Safety Data Sheet (SDS) and EU Existing ECHA registration(s) for Paraffin waxes and Hydrocarbon waxes, microcryst. (CAS No. 63231-60-7).

This Safety Data Sheet was prepared in accordance with Code Of Practice For The Preparation Of Safety Data Sheets For Hazardous Chemicals (Safe Work Australia, 2020) & GHS 7

Legend

ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived no effect level
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	RID: Regulations concerning the international railway transport of dangerous goods
STEL	Short term exposure limit
vPvB	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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