

SD0069 V1.6 RS 218-6932, 218-6948, 218-6954, 218-6960, 218-6976,  
218-6982, 218-7008, 218-7014, 218-7020, 218-7036, 315-5125

## SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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### PoliLam Type MWOS Diamond Compound

Revision 9

Revision date 2023-02-27

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	PoliLam Type MWOS Diamond Compound
Nanoform	Mixture contains a nanoform.

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC25] Metal working fluids; [PROC21] Low energy manipulation of substances bound in materials and/or articles;
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##### 1.3. Details of the supplier of the safety data sheet

Company	RS Components Ltd	RS Components Ltd
Address	Birchington Road Corby Northants NN17 9RS	Glenview Industrial Estate Herberton Road Rialto Dublin 12
	Tel: +44 (0) 845 850 9900	Tel: +353 (0) 1 415 3100
	RCustomerServicesUK@rs-components.com	enquiries.ie@rs-components.com

##### 1.4. Emergency telephone number

Emergency telephone number	+44 1865 407333 (24hr)	+44 1235 239670 (24hr)
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#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Not Classified.
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##### 2.2. Label elements

Risk phrases	No Significant Hazard
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##### 2.3. Other hazards

Other hazards	No data is available on this product.
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#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

3.2. Mixtures	3.2. Mixtures.
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##### Description

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# PoliLam Type MWOS Diamond Compound

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<b>Description</b>	
	Low Hazard, oil soluble/ water micible, compound containing diamond abrasive particles.

<b>Particle Characteristics</b>	
	Some grades in the Polilam MWOS range contain diamond particles in the range 0 to 100nm.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING.

### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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### 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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### 5.3. Advice for firefighters

	Wear self contained breathing apparatus and protective clothing.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Avoid contact with skin and eyes.
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### 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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### 6.3. Methods and material for containment and cleaning up

	Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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### 6.4. Reference to other sections

	See section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION for further information. See section 13. DISPOSAL CONSIDERATIONS for further information.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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## 7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

## 7.3. Specific end use(s)

See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure controls.

### 8.2. Exposure controls



#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

#### 8.2.2. Individual protection measures

Wear protective clothing.

##### Eye / face protection

Approved safety goggles.

##### Skin protection - Handprotection

Wear suitable gloves.

##### Skin protection - Other

Wear suitable protective clothing.

##### Respiratory protection

Wear suitable respiratory equipment when necessary.

##### Occupational exposure controls

Keep away from food, drink and animal feedingstuffs.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	Various
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	> 55 °C
Freezing Point	No data available
Initial boiling point	No data available
Flash point	> 110 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative Vapour Density	No data available
Density / Relative Density	1 (H <sub>2</sub> O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	> 200 °C
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

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## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Specific gravity	< 1 g/cm <sup>3</sup>
Gas group	No data available
Benzene Content	Not applicable.
Lead content	Not determined
VOC (Volatile organic compounds)	Not applicable.

## 9.2.1. Information with regard to physical hazard classes

	No data is available on this product.
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## 9.2.2. Other safety characteristics

	No data is available on this product.
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## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	No data is available on this product.
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## 10.4. Conditions to avoid

	No data is available on this product.
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## 10.5. Incompatible materials

	No data is available on this product.
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## 10.6. Hazardous decomposition products

	No data is available on this product.
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## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	No data is available on this product.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.
STOT-single exposure	No data is available on this product.
STOT-repeated exposure	No data is available on this product.
Aspiration hazard	No data is available on this product.

## 11.1.2. Mixtures

	No data available.
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## 11.1.3. Hazard Information

	No data available.
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## 11.1.4. Toxicological Information

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## 11.1.4. Toxicological Information

No data available

## 11.1.5. Hazard Class

No data available.

## 11.1.6. Classification Criteria

No data available.

## 11.1.7. Information on likely routes of exposure

No data available.

## 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

No data available.

## 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

No data available.

## 11.1.12. Mixture versus substance information

No data available.

## 11.1.13. Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

PoliLam Type MWOS Diamond Compound No data available  
Compound

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

### 12.6 Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors.

### 12.7 Other adverse effects

No data is available on this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

## SECTION 14: Transport information

### 14.1. UN number

The product is not classified as dangerous for carriage.

### 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

### 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

### 14.4. Packing group

The product is not classified as dangerous for carriage.

### 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

### 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

No data is available on this product.

### 14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

No data is available on this product.

## SECTION 15: Regulatory information

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

#### Regulations

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. . . COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). COMMISSION REGULATION (EU)2015/830 of the 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the registration, Evaluation, Authorisation and restriction of Chemicals (REACH).

### 15.2. Chemical safety assessment

No data is available on this product.

## SECTION 16: Other information

### Other information

#### Revision

This document differs from the previous version in the following areas:  
2 - 2.1.2. Classification - EC 1272/2008.

### Further information

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**Further information**

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	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p>
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