

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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KEMET LIQUID DIAMOND TYPE WA

Revision 11
Revision date 2017-03-10

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

1.1. Product identifier

Product name	KEMET LIQUID DIAMOND TYPE WA
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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; [SU0] Other; [PC0] Other;
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1.3. Details of the supplier of the safety data sheet

Company	Kemet International Ltd
Address	Parkwood Trading Estate Maidstone Kent ME15 9NJ
Web	www.kemet.co.uk
Telephone	+44 (0)1622 755287
Fax	+44 (0)1622 670915
Email	sales@kemet.co.uk
Email address of the competent person	nroper@kemet.co.uk

Local Supplier

Company	Kemet International Ltd
Address	Sutton Road Parkwood Trading Estate Maidstone Kent ME15 9NJ UK
Web	www.kemet.co.uk
Telephone	01622755287
Fax	01622670915
Email	sales@kemet.co.uk

1.4. Emergency telephone number

Emergency telephone number	01622755287
Company	Kemet International Ltd 09.00-17.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard
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2.2. Label elements

Risk phrases	No Significant Hazard
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2.3. Other hazards

Other hazards	PBT/vPvB assessment is not available as a chemical safety assessment is either not required or has not been conducted. Contact with the eyes should be avoided due to the abrasive nature of the product.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Synthetic Diamond		7782-40-3	231-953-2		1 - 10%		

EC 1272/2008

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Synthetic Diamond		7782-40-3	231-953-2		1 - 10%		

None of the ingredients in this product are classified as hazardous.

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. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

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

Inhalation	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.
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

	If you feel unwell, seek medical advice (show the label where possible). Treat Symptomatically.
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General information

	If you feel unwell, seek medical advice (show the label where possible). Keep the affected person warm and at rest. Remove contaminated clothing. Wash all contaminated clothing before reuse.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
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5.2. Special hazards arising from the substance or mixture

	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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5.3. Advice for firefighters

	Wear: Self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Surfaces contaminated with the product will become slippery. Ensure adequate ventilation of the
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6.1. Personal precautions, protective equipment and emergency procedures

working area. Keep personnel away from spill.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Clean area thoroughly with detergent. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.

6.4. Reference to other sections

See section 2, 7, 8 & 9 for further information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid contact with eyes and skin. Use in a well ventilated area. Wear suitable protective equipment. Do NOT allow to freeze. Store at temperatures above 18 °C.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in original container.

7.3. Specific end use(s)

Use as Supplied. For use as a metal working lubricant/coolant in industrial applications only.

Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Ensure adequate ventilation of the working area.

8.1.1. Exposure Limit Values

Synthetic Diamond	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 10
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3: 4
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

8.2. Exposure controls**8.2.1. Appropriate engineering controls**

Ensure adequate ventilation of the working area. Mechanical ventilation recommended.

8.2.2. Individual protection measures

Avoid contact with eyes and skin. Use appropriate personal protective equipment. Adopt best Manual Handling considerations when handling, carrying and dispensing.

Eye / face protection

In case of splashing, wear: Safety glasses. Wear Splash-proof eye goggles manufactured and tested according to EN 166.

Skin protection - Handprotection

Chemical resistant gloves (PVC). Use Chemical resistant gloves according to EN 374. Suitability and durability of the glove is dependant on glove material and duration of contact.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Prevent aerosol formation. If spray mist is formed wear protective mask to EN149.

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8.2. Exposure controls

Occupational exposure controls	Keep away from food, drink and animal feedingstuffs.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Cream/Milky White
Odour	Mild
Odour threshold	No data available
pH	No data available
Melting point	Not applicable.
Initial boiling point	100
Flash point	Not applicable.
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	1.0 g/ml
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	< 3 x 10 ⁻⁶ m ² /s @ 40 °C (ISO 3219)
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	Not applicable.

Water solubility

	Soluble.
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SECTION 10: Stability and reactivity

10.1. Reactivity

	None expected under normal conditions of use. None Known.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	None expected under normal conditions of use.
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10.4. Conditions to avoid

	Do NOT allow to freeze.
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10.5. Incompatible materials

	Strong acids. Strong oxidising agents.
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10.6. Hazardous decomposition products

	Carbon oxides.
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SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	No data is available on this product.
Serious eye damage/irritation	May cause irritation to skin.
Respiratory or skin sensitisation	MAY CAUSE EYE IRRITATION. May causes temporary eye irritation or damage due to the abrasive nature of the product.
Repeated or prolonged exposure	No data is available on this product.
	Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

11.1.2. Mixtures

	No data is available on this product.
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SECTION 12: Ecological information**12.1. Toxicity**

	No data is available on this product.
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12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	KEMET LIQUID DIAMOND TYPE No data available WA
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	PBT/vPvB assessment is not available as a chemical safety assessment is either not required or has not been conducted.
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12.6. Other adverse effects

	No data is available on this product.
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SECTION 13: Disposal considerations**13.1. Waste treatment methods**

	Allocation of the correct EWC Number should be done in accordance with the european Waste Catalogue and should be carried out in agreement with an EA authorised waste disposal company.
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General information

	Dispose of as special waste in compliance with local and national regulations.
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Disposal methods

	Can be incinerated if in compliance with local and national regulations.
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Disposal of packaging

	Empty containers can be sent for disposal or recycling. Containers can be recycled if in compliance with local and national regulations.
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SECTION 14: Transport information

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14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

Regulations	Regulation (EC) No 1907/2006 REACH, Regulation (EC) No 1272/2008 CLP. The Health and Safety at Work Act 1974. Workplace Exposure Limits EH40.
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15.2. Chemical safety assessment

	A chemical safety assessment has not been conducted.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 3 - Further information.
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Further information

	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.
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