

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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KEMET LIQUID DIAMOND TYPE 3 KDS 890

Revision 4
Revision date 2016-10-17

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

1.1. Product identifier

Product name	KEMET LIQUID DIAMOND TYPE 3 KDS 890
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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

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	None Known.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

	No Significant Hazard. None of the ingredients in this product are classified as hazardous. Not a dangerous Substance according to GHS or a substance/Mixture according to EC67/548/EEC or 1999/45/EC. Not Classified as Hazardous. However used product may be contaminated with hazardous components from the process and suitable precautions should be taken according to the hazards involved.
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Description

	No Significant Hazard. None of the ingredients in this product are classified as hazardous.
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Seek medical attention. Move the exposed person to fresh air. If breathing stops, provide artificial respiration.
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.

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4.1. Description of first aid measures

Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Drink 1 to 2 glasses of water.
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4.2. Most important symptoms and effects, both acute and delayed

Inhalation	None Known.
Eye contact	None Known.
Skin contact	None Known.
Ingestion	None Known.

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

	If you feel unwell, seek medical advice (show the label where possible). No data is available on this product.
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General information

	Wash all contaminated clothing before reuse.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions. Use as appropriate: Carbon dioxide (CO ₂), Dry chemical, Alcohol resistant foam, Water spray.
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5.2. Special hazards arising from the substance or mixture

	Carbon oxides.
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5.3. Advice for firefighters

	Wear: Self-contained breathing apparatus.
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Further information

	No data available.
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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. Surfaces contaminated with the product will become slippery. Avoid Inhalation of vapour.
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6.2. Environmental precautions

	Do not allow product to enter drains.
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6.3. Methods and material for containment and cleaning up

	Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Absorb with inert, absorbent material.
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6.4. Reference to other sections

	See section 2, 3, 8, 9 & 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Wear suitable protective equipment. Do not breathe gas/fumes/vapour/spray.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
Suitable packaging	PET. Plastic containers. Stainless steel containers.

7.3. Specific end use(s)

	For industrial/research use only. See separate instruction sheet for correct method of use.
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Suitable packaging

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Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

Eye / face protection

Safety glasses.

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

Not normally required. If mechanical ventilation is insufficient to maintain OEL below the specified limits as a temporary measure a respirator to EN143 P2 /P3 may be used. PPE should only be used when necessary and is not a substitute for mechanical ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Cream/Clear
Odour	Characteristic
Odour threshold	Not applicable.
pH	≈ 9
Melting point	Not applicable.
Initial boiling point	No data available
Flash point	Not applicable.
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available
Vapour density	No data available
Relative density	≈ 1 (H ₂ O = 1 @ 20 °C)
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	≈ 20 x 10 ⁻⁶ m ² /s @ 40 °C (ISO 3104/3105)
Explosive properties	Not applicable.
Oxidising properties	No data available
Solubility	Miscible in water

9.2. Other information

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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.

SECTION 10: Stability and reactivity

10.1. Reactivity

	No data is available on this product.
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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

	Avoid extremes of temperature during storage.
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10.5. Incompatible materials

	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	No data is available on this product.
Respiratory or skin sensitisation	No data is available on this product.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No data is available on this product.
Repeated or prolonged exposure	May cause dermatitis.

SECTION 12: Ecological information

12.1. Toxicity

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

	This product is expected to be readily biodegradable.
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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 3 KDS 890
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12.4. Mobility in soil

No data is available on this product.

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.

Further information

No known adverse environmental effects.

SECTION 13: Disposal considerations

General information

Can be incinerated if in compliance with local and national regulations. Dispose of in compliance with all local and national regulations.

Disposal of packaging

Empty containers can be sent to landfill after cleaning, if in compliance with 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.

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.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

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.

Regulations

The Health and Safety at Work Act 1974. Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

A chemical safety assessment has not been conducted.

SECTION 16: Other information

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Other information

Revision	This document differs from the previous version in the following areas: 8 - Respiratory protection. 8 - Skin protection - Handprotection.
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Further information

	The information supplied in this safety data sheet as supplied by KEMET INTERNATIONAL Ltd is to the best of our knowledge, information and belief correct at the date of publication. 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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