



## SAFETY DATA SHEET

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### KEMET DIAMOND COMPOUND TYPE KD

Revision No. 3

Print Date 04 August 2005

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product name** KEMET DIAMOND COMPOUND TYPE KD

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#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous components | Conc.                        | CAS       | EINECS    |
|----------------------|------------------------------|-----------|-----------|
| Xylene               | 0 - 0.5%<br>Xn;R20/21-38 R10 | 1330-20-7 | 215-535-7 |

#### 3. HAZARDS IDENTIFICATION

**Specific hazards** Contact with the eyes should be avoided due to the abrasive nature of the product. May cause skin irritation on prolonged contact.

#### 4. FIRST AID MEASURES

**Skin contact** May cause skin irritation in susceptible persons. Wash off with warm water and soap.

**Eye contact** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. May cause irreversible eye damage.

**Inhalation** Consult a physician after significant exposure. Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

**Ingestion** Do not induce vomiting without medical advice. Clean mouth with water and afterwards drink plenty of water. Obtain medical attention.

**General advice** If you feel unwell, seek medical advice (show the label where possible). Wash contaminated clothing before re-use.

#### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Specific hazards** Fire may cause toxic fumes and dust to evolve.

**Special protective equipment for firefighters** In the event of fire, wear self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

|                                  |  |
|----------------------------------|--|
| <b>Personal precautions</b>      | Ensure adequate ventilation. Sweep-up to prevent slipping hazard.  |
| <b>Environmental precautions</b> | Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.    |
| <b>Methods for cleaning up</b>   | Clean with detergents. Avoid solvents. After cleaning, flush away traces with water.<br>Take up mechanically and collect in suitable container for disposal. |

## 7. HANDLING AND STORAGE

|                           |  |
|---------------------------|--|
| <b>Handling</b>           | Avoid contact with skin and eyes. Wear personal protective equipment.  |
| <b>Storage</b>            | Keep in a dry, cool place. Store in original container. Do not freeze. |
| <b>Packaging material</b> | Plastic container of HDPE.   |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limit(s)

|                                  |                           |                             |
|----------------------------------|---------------------------|-----------------------------|
| Xylene, o-,m-,p-or mixed isomers | WEL 8-hr limit ppm: 50    | WEL 8-hr limit mg/m3: 220   |
|                                  | WEL 15 min limit ppm: 100 | WEL 15 min limit mg/m3: 441 |

|                                 |   |
|---------------------------------|---|
| <b>Engineering measures</b>     | Ensure adequate ventilation, especially in confined areas. Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace. |
| <b>Respiratory protection</b>   | No personal respiratory protective equipment normally required. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.   |
| <b>Hand protection</b>          | PVC or other plastic material gloves.   |
| <b>Eye protection</b>           | Safety glasses with side-shields. Avoid contact with eyes.  |
| <b>Skin and body protection</b> | Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                         |                    |
|-------------------------|--------------------|
| <b>Description</b>      | Paste.             |
| <b>Colour</b>           | Various.           |
| <b>Relative density</b> | 1.05 g/ml Approx   |
| <b>Water solubility</b> | slightly miscible. |
| <b>Fat solubility</b>   | Miscible           |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Stability</b>                        | No decomposition if stored and applied as directed.  |
| <b>Conditions to avoid</b>              | Do not freeze. Burning produces obnoxious and toxic fumes.   |
| <b>Materials to avoid</b>               | Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded. Strong oxidising agents.        |
| <b>Hazardous decomposition products</b> | Vapours which may irritate the respiratory system may be released above 200 °C.<br>Incomplete combustion may produce small amounts of carbon oxides. |

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## 11. TOXICOLOGICAL INFORMATION

|                                       |   |
|---------------------------------------|---|
| <b>Acute toxicity</b>                 | Inhalation of vapours in high concentration may cause irritation of respiratory system. Components of the product may be absorbed into the body by inhalation, ingestion and through the skin.                            |
| <b>Primary irritation</b>             | Irritating to eyes and skin.  |
| <b>Sensitisation</b>                  | May cause sensitisation of susceptible persons by skin contact.   |
| <b>Repeated or prolonged exposure</b> | Prolonged exposure causes local irritation of skin and mucous membranes, especially to the eyes. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons. |

## 12. ECOLOGICAL INFORMATION

|                            |   |
|----------------------------|---|
| <b>Ecotoxicity effects</b> | No data is available on the product itself.                     |
| <b>Further Information</b> | Ecological injuries are not known or expected under normal use. |

## 13. DISPOSAL CONSIDERATIONS

|                               |  |
|-------------------------------|--|
| <b>General Information</b>    | Can be incinerated, when in compliance with the Environment Protection Act 1990 (Process Guidance Note IPR5/1). Dispose of in accordance with local regulations.                             |
| <b>Specific methods</b>       | 12 01 - wastes from shaping and physical and mechanical surface treatment of metals and plastics. 12 01 07 - mineral-based machining oils free of halogens (except emulsions and solutions). |
| <b>Contaminated packaging</b> | Empty containers can be landfilled, when in accordance with the local regulations.   |

## 14. TRANSPORT INFORMATION

|                            |  |
|----------------------------|--|
| <b>Further Information</b> | Not classified as dangerous in the meaning of transport regulations. |
|----------------------------|--|

## 15. REGULATORY INFORMATION

|                     |  |
|---------------------|--|
| <b>Labelling</b>    | The product is classified and labelled in accordance with EC directives or respective national laws. |
| <b>S-phrases(s)</b> | S24/25 - Avoid contact with skin and eyes.   |

## 16. OTHER INFORMATION

|   |  |
|---|--|
| <b>Text of R phrases mentioned in Section 2</b> | R10 - Flammable.<br>R20/21 - Harmful by inhalation and in contact with skin.<br>R38 - Irritating to skin.  |
| <b>Further information</b>                      | The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.<br>The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.<br>The 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 process.<br>This data sheet contains changes from the previous version in section(s):<br>9 - odour.<br>3 - specific hazards. |

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