

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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DIAMOND COMPOUND TYPE KD

Revision 19

Revision date 2017-01-18

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

1.1. Product identifier

Product name	DIAMOND COMPOUND TYPE KD
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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; [PC25] Metal working fluids; [PROC21] Low energy manipulation of substances bound in materials and/or articles; [ERC12a] Industrial processing of articles with abrasive techniques (low release);
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1.3. Details of the supplier of the safety data sheet

Company Address	
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Web Telephone Fax Email Email address of the competent person	
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Local Supplier	
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Company Address	
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Web Telephone Fax Email	
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1.4. Emergency telephone number

Emergency telephone number Company	
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


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2.1. Classification of the substance or mixture

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

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.
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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%		
Ceteareth-10		68439-49-6			1 - 10% Xn; R22 Xi; R41		

EC 1272/2008

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%		
Ceteareth-10		68439-49-6			1 - 10% Acute Tox. 4: H302; Eye Dam. 1: H318;		

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Seek medical attention.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention. May cause irritation to eyes.
Skin contact	May cause irritation to skin. Wash with soap and water.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Drink 1 to 2 glasses of water. Seek medical attention.

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.
Skin contact	Prolonged contact may cause redness, irritation and dryness.
Ingestion	Ingestion may cause nausea and vomiting.

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

Inhalation	Remove the affected person from the source of contamination immediately.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash with soap and water.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water.

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General information

If you feel unwell, seek medical advice (show the label where possible). Wash all contaminated clothing before reuse.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO₂), Dry chemical, Foam. Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Toxic Fumes and Dust may be formed in fire conditions.

5.3. Advice for firefighters

Wear: Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Sweep up.

6.2. Environmental precautions

Do not allow product to enter drains. Do not flush into surface water.

6.3. Methods and material for containment and cleaning up

Clean area thoroughly with detergent. Clean spillage area thoroughly with plenty of water. 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. Wear suitable protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Store in original container. Do NOT allow to freeze.

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/m ³ : 10
	WEL 15 min limit ppm:	WEL 15 min limit mg/m ³ : 4
	WEL 8-hr limit mg/m ³ total -	WEL 15 min limit mg/m ³ total -
	inhalable dust:	inhalable dust:
	WEL 8-hr limit mg/m ³ total -	WEL 15 min limit mg/m ³ total -
	respirable dust:	respirable dust:


8.2. Exposure controls

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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. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Eye / face protection	Safety glasses. Avoid contact with eyes. Wear Splash-proof eye goggles manufactured and tested according to EN 166.
Skin protection - Handprotection	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. Wear suitable respiratory equipment when necessary.
8.2.3. Environmental exposure controls	Dispose of this material and its container to hazardous or special waste collection point.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	Various Depending On Grade
Odour	Slight
Odour threshold	Not applicable.
pH	No data available
Melting point	> 40 °C
Initial boiling point	Not applicable.
Flash point	Not applicable.
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	Not applicable.
Vapour density	No data available
Relative density	1.05 g/ml Approx
Water solubility	No data available
Partition coefficient (n-octanol/water)	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	> 5000 x 10 ⁻⁶ m ² /s @ 40 °C (ISO 3104/3105)
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Slightly miscible in water

9.2. Other information

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

Water solubility

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Water solubility

Slightly Miscible.

SECTION 10: Stability and reactivity

10.1. Reactivity

None expected under normal conditions of use.

10.2. Chemical stability

Will not decompose if stored and used as recommended.

10.3. Possibility of hazardous reactions

None expected under normal conditions of use.

10.4. Conditions to avoid

Do NOT allow to freeze. Direct sunlight. Heat, sparks and open flames.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Incomplete combustion will produce toxic and noxious fumes including carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

No data is available on this product.

Skin corrosion/irritation

May cause irritation to skin.

Serious eye damage/irritation

MAY CAUSE EYE IRRITATION.

Respiratory or skin sensitisation

No sensitization effects reported.

Repeated or prolonged exposure

Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

11.1.4. Toxicological Information

Cetareth-10

Oral Rat LD50: 500 mg/Kg ATE

SECTION 12: Ecological information

12.1. Toxicity

No data is available on this product.

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

DIAMOND COMPOUND No data available
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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

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12.5. Results of PBT and vPvB assessment

has not been conducted.

12.6. Other adverse effects

No known adverse environmental effects.

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.

General information

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

Disposal methods

Dispose of this material and its container to hazardous or special waste collection point.

Disposal of packaging

Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations. Empty containers can be sent for disposal or recycling.

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

Regulations

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. 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

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

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. Regulation (EC) No 1907/2006 REACH, Regulation (EC) No 1272/2008 CLP. 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

Other information

Revision	<p>This document differs from the previous version in the following areas:</p> <p>2 - 2.1. Classification of the substance or mixture.</p> <p>2 - 2.1.2. Classification - EC 1272/2008.</p> <p>2 - Hazard pictograms.</p> <p>2 - Signal Word.</p> <p>2 - Precautionary Statement: Prevention.</p> <p>2 - Precautionary Statement: Response.</p> <p>8 - 8.2.1. Appropriate engineering controls.</p> <p>8 - Skin protection - Handprotection.</p> <p>8 - Eye / face protection.</p> <p>9 - 9.1. Information on basic physical and chemical properties (Viscosity).</p> <p>12 - 12.1. Toxicity.</p> <p>15 - Labelling.</p> <p>15 - Risk phrases.</p> <p>15 - Safety phrases.</p>
Text of risk phrases in Section 3	<p>R22 - Harmful if swallowed.</p> <p>R41 - Risk of serious damage to eyes.</p>
Text of Hazard Statements in Section 3	<p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p>

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.