

## MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

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

<b>1.1 Identification of the substance or preparation</b>	<u>Diamond paste for ceramic/zirconium</u> (product code: ZRZ20)
<b>1.2 Use of the substance/preparation:</b>	Diamond Abrasives for zirconium and ceramics polishing (Manufacturer)
<b>1.3 Company/undertaking identification:</b>	Micerium S.p.A. Via G. Marconi 83 16036 Avegno (GE) –Italy Phone: +39.0185.7887870 fax +39.0185.7887970
<b>1.4 Emergency telephone:</b>	Poison Control Center San Martino Hospital (Genova, Italy) Phone: +39 010 352808 (available 24 hours/ 24)

### 2. HAZARDS IDENTIFICATION

<b>2.1 Substance or mixture classification</b>	NA
<b>2.2 Label elements</b>	NA
<b>2.3 Other hazards</b>	NA

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.1 Main ingredients:</b>	Ingredients with EC concentration limits: Mixture of solid inorganic materials, fats, waxes and fatty acids.
<b>3.2 Mixtures:</b>	Under GHS-OSHA 4.11 the precise composition of this product is withheld as confidential business information (CBI). A more complete disclosure can be provided to a health, or safety professional when necessary.

### 4. FIRST AID MEASURES

#### 4.1 First aid measures' description:

##### Measure to be adopted when:

- It contacts eyes: Rinse 15 minutes with water while the eyelid is open.
- It contacts skin: Wash with water and soap.
- Inhaled: NA
- Ingested: Don't induce vomiting. Consult a doctor.

**4.2 Most important symptoms and effects, acute and delayed:** NA

**4.3 Indication of any immediate medical attention and special treatment needed:** NA

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media:

<b>Suitable extinguishing media:</b>	CO2, Sand, Water or powder fire extinguisher
<b>Extinguishing media which shall not be used for safety reasons:</b>	NA

**5.2 Special exposure hazards arising from the substance or from the mixture:** NA

**5.3 Recommendation for firefighters:** NA

**Special protective equipment for fire-fighters:** NA

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective devices and procedures in case of emergency:	NA
6.2 Environmental precautions:	Please see Sections 8. Exposure Controls/Personal Protection and 13. Disposal Considerations
6.3 Measures for cleaning/collecting:	Remove mechanically
6.4 Reference to other sections	Please see Sections 8. Exposure Controls/Personal Protection and 13. Disposal Considerations

## 7. HANDLING AND STORAGE

7.1 Precautions for safe Handling:	NA
Indications in case of fire and explosion	NA
7.2 Conditions for safe Storage including any incompatibilities:	Store cool and dry.
7.3 Specific use(s):	NA

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Further information on the structure of technical systems:

#### 8.1 Exposure limit values:

Further information Please see Sections 6. Accidental Release Measures and 7. Handling

8.2 Exposure controls: NA

8.2.1 Suitable technical checks Take work specific precautions

8.2.2 Individual protection measures, such as personal protective equipment: The type of equipment for individual protection has to be chosen according to concentration and quantity of hazardous compounds

8.2.1.a Eye/face protection: Safety goggles

8.2.1.b Hand/skin protection: No protective suit or boots are necessary, if the product is used as indicated. Hand Protection is necessary.

8.2.1.c Respiratory protection: NA

8.2.1.d Thermal hazard: NA

8.2.3 Environmental exposure controls: NA

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Aspect: Wax-like

Physical state: Solid

Colour: Light green

Odour (pH): Wax-like

Fusion point/freezing point: Approx. 38°– 45°C

Boiling point/boiling range: (1013 mbar) C

Flash point: >150 C

Flammability (solid, gas): NA

Relative density: NA

Solubility: (20 C) No soluble g/1

Partition coefficient: n-octanol/water: NA

Upper / lower flammability or explosive limits: NA Viscosity: (20 C) mPa.s

Explosive properties: NA Vapour pressure: NA

Oxidising properties: NA Vapour density: NA

Legend: NA = not applicable; ND = not available data

<b>Decomposition temperature:</b>	NA	<b>Evaporation rate:</b>	NA
<b>Auto-ignition temperature:</b>	NA		

**9.2 Other information:**

<b>Miscibility:</b>	NA	<b>Gas group:</b>	NA
<b>Fat solubility</b> (solvent — oil to be specified):	NA		
<b>Conductivity:</b>	NA		

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	NA
<b>10.2 Chemical stability</b>	NA
<b>10.3 Possibility of dangerous reactions</b>	NA
<b>10.4 Conditions to avoid:</b>	Thermal decomposition: Not known, if used for the designated purpose.
<b>10.5 Incompatible materials</b>	Not known, if used for the designated purpose.
<b>10.6 Hazardous decomposition products:</b>	Not known, if used for the designated purpose.

**11. TOXICOLOGICAL INFORMATION**

**LD/LC50 values relevant for classification:** ND

<b>11.1 Information on toxicological effects</b>	Not toxic: No labelling necessary according to the Chemical Law. The toxicological classification of the preparation was made according DIRECTIVE 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
<b>11.1.1 Acute toxicity:</b>	ND
<b>11.1.2 Skin contact:</b>	ND
<b>11.1.3 Eye contact:</b>	ND
<b>11.1.4 Respiratory/skin sensitisation:</b>	ND
<b>11.1.5 Germ cell mutagenicity:</b>	ND
<b>11.1.6 Carcinogenicity:</b>	ND
<b>11.1.7 Reproductive toxicity</b>	ND
<b>11.1.8 Specific target organ toxicity (STOT) single exposure:</b>	ND
<b>11.1.9 Specific target organ toxicity (STOT) repeated exposure:</b>	ND
<b>11.1.10 Danger in case of aspiration</b>	ND

**12. ECOLOGICAL INFORMATION**

<b>12.1 Toxicity:</b>	ND
<b>Aquatic toxicity</b>	ND
<b>12.2 Persistence and degradability</b>	ND
<b>12.3 Bioaccumulative potential:</b>	ND
<b>12.4 Mobility:</b>	ND
<b>12.5 Results of PBT and vPvB assessment</b>	ND
<b>PBT:</b>	

Legend: NA = not applicable; ND = not available data

vPvB:

12.6 Other adverse effects: ND

### 13. DISPOSAL CONSIDERATIONS

**13.1 Waste methods:** WASTE DISPOSAL METHOD ACCORDING 2000/532/EC: incinerating plant or public waste disposal.  
**Advice** NA  
**Uncleaned packaging** Obey and follow local waste disposal regulations.  
**Advice / Recommended detergent** NA

### 14. INFORMATION ON TRANSPORT

Indicate for each, where appropriate: This product is not considered a hazardous material.

UN number

class

proper shipping name

Packing group

Marine pollutant

Other applicable information

14.1 UN number: NA

14.2 UN shipping name: NA

By sea (IMDB): NA

By road (ADR): NA

By air (ICAO / IATA): NA

14.3 Transport hazard class: NA

Class: NA

Label: NA

14.4 Packing group: NA

14.5 Environmental hazard: This product is not considered a hazardous material.

14.6 Special precautions for users: This product is not considered a hazardous material.

Kemler number: NA

EMS number: NA

Stowage category: NA

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code NA

### 15. REGULATORY INFORMATION

**15.1 Legislative and regulatory provisions on health, safety and environment specific to the substance or mixture** No dangerous material according to regulations of the EU.  
 Effects on the Aquatic Environment: 0-low risk for water (self declaration); can be removed mechanically from waste water, according to VwVwS, Annex 4 (Germany).  
 UE REG. 2015/830  
 UE REG. 2008/1272  
 REACH regulation (EC) No.1907/2006

15.2 Evaluation of chemical safety: NA

### 16. OTHER INFORMATION

16.1 List of relevant phrases: R phrases, which are mentioned in Chapter 3

16.2 Training advice: NA

16.3 Recommended restrictions on use: Only for professional, industrial use - not for public, non-professional use.

16.4 Further information: NA

Legend: NA = not applicable; ND = not available data

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<b>16.5 Sources of key data used to compile the Safety Data Sheet:</b>	NA
<b>16.6 Changes from the previous version (if available):</b>	Totally revised version according regulation (EC) 1907/2006 (REACH).
<b>16.7 Released by:</b>	Micerium S.p.A.

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