


Diamond pastes

Date of creation	17. June 2016	Revision no.	
Date of revision		Version	1

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

- 1.1. Product identifier**
 Substance / mixture Diamond pastes
 Number mixture
 Other names of the mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
 Intended use of the mixture Diamond paste,
 Not recommended use of the mixture The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
 Name or trade name Urdiamant s.r.o.
 Address Dolnostudénska 715/3, Šumperk, 78701
 Czech Republic
 Phone +420583366396
 Fax +420583366396
Competent person responsible for the safety data sheet
 Name GRACILIS s.r.o.
 E-mail info@gracilis.cz
- 1.4. Emergency telephone number**
 Poisoning information centre, Na Bojišti 1, Praha, Czech Republic, Tel.: non-stop +420 224 919 293 or +420 224 915 402, Information on health risks only - acute poisoning of humans and animals

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
 The mixture is classified as dangerous.
 Aquatic Chronic 2, H411
 Full text of all classifications and H-phrases is given in the section 16.
The most serious adverse physico-chemical effects
 Unknown
The most serious adverse effects on human health and the environment
 Toxic to aquatic life with long lasting effects.
- 2.2. Label elements**
Hazard pictogram

Standard hazardous statements
 H411 Toxic to aquatic life with long lasting effects.
Instructions for safe handling
 P102 Keep out of reach of children.
 P273 Avoid release to the environment.
 P501 Dispose of contents/container to in accordance with local/regional/national/international regulations.
- 2.3. Other hazards**
 Substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No 1272/2008.

Diamond pastes

Date of creation	17. June 2016	Revision no.	
Date of revision		Version	1

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Name of the substance	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
CAS: 106232-83-1 EC: 500-294-5	alcohols, C12-15, branched and linear, ethoxylated	<10		

Full text of all classifications and H-phrases is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this Safety Data Sheet.

Inhalation

Interrupt exposure.

Skin contact

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Provide medical treatment if skin irritation persists.

Eye contact

Rinse eyes with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

Ingestion

Provide medical treatment if the person has any health problems.

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

Inhalation

Not known.

Skin contact

Not known.

Eye contact

Not known.

Ingestion

Not known.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

not available

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

not available

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Follow the instructions in Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

Diamond pastes

Date of creation	17. June 2016	Revision no.	
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- 6.3. Methods and material for containment and cleaning up**
 Product contained in well closed containers and removed as per Section 13. Collected material should be disposed of in accordance with locally valid regulations. Upon an escape of large quantities of the product, inform the Fire Department and the Environmental Department of the Municipal Authority with extended scope of competencies. After removal of the product, wash the contaminated site with plenty of water or another suitable cleaning material.
- 6.4. Reference to other sections**
 7, 8 and 13.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling**
 Do not inhale fumes. Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.
- 7.2. Conditions for safe storage, including any incompatibilities**
 Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight.
- 7.3. Specific end use(s)**
 not available

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters**
 none
- 8.2. Exposure controls**
 Follow usual measures for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.
- Eye/face protection**
 In normal use is not needed.
- Skin protection**
 Hand protection: Protective gloves resistant against the product. Observe recommendations of the particular manufacturer of the gloves in the choice of their appropriate thickness, material and permeability. Other protection: Protective clothing. Contaminated skin should be washed thoroughly.
- Respiratory protection**
 In normal use is not needed.
- Thermal hazard**
 not available
- Environmental exposure controls**
 Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties**
- | | |
|--|--------------------------|
| Appearance | |
| Physical state | liquid at 20°C |
| color | yellow; green; blue; red |
| Odour | odorless |
| Odour threshold | data not available |
| pH | data not available |
| Melting point/freezing point | data not available |
| Initial boiling point and boiling range | data not available |
| Flash point | data not available |
| Evaporation rate | data not available |
| Flammability (solid, gas) | data not available |
| Upper/lower flammability or explosive limits | |
| flammability limits | data not available |
| explosive limits | data not available |
| Vapour pressure | data not available |
| Vapour density | data not available |
| Relative density | data not available |

Diamond pastes

Date of creation	17. June 2016	Revision no.	
Date of revision		Version	1

Solubility(ies)	
solubility in water	data not available
solubility in fats	data not available
in nonpolar solvents	soluble
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	data not available
Explosive properties	data not available
Oxidising properties	data not available

9.2. Other information	
Density	1-1.15 g/cm ³
auto-ignition temperature	data not available

SECTION 10: Stability and reactivity

- 10.1. Reactivity**
not available
- 10.2. Chemical stability**
The product is stable under normal conditions.
- 10.3. Possibility of hazardous reactions**
The product is stable under normal conditions.
- 10.4. Conditions to avoid**
The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.
- 10.5. Incompatible materials**
Protect against strong acids, bases and oxidizing agents.
- 10.6. Hazardous decomposition products**
Not developed under normal uses.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects**
No toxicological data is available for the mixture.

- Acute toxicity**
Based on available data the classification criteria are not met.

- Skin corrosion/irritation**
Based on available data the classification criteria are not met.

- Serious eye damage/irritation**
Based on available data the classification criteria are not met.

- Respiratory or skin sensitisation**
Based on available data the classification criteria are not met.

- Germ cell mutagenicity**
Based on available data the classification criteria are not met.

- Carcinogenicity**
Based on available data the classification criteria are not met.

- Reproductive toxicity**
Based on available data the classification criteria are not met.

- Toxicity for specific target organ - single exposure**

Diamond pastes

Date of creation	17. June 2016	Revision no.	
Date of revision		Version	1

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

alcohols, C12-15, branched and linear, ethoxylated

Parameter	Value	Time of exposure	Species	Environment
LC 50	1-10 mg/l	96 hour	Fishes (Cyprinus carpio)	
EC 50	1-10 mg/l	48 hour	Daphnia (Daphnia magna)	
EC 50	1-10 mg/l	72 hour	Algae (Desmodesmus subspicatus)	
EC10	>10000 mg/l	hour	Microorganisms (Pseudomonas putida)	

Toxic to aquatic life with long lasting effects.

Chronic toxicity

alcohols, C12-15, branched and linear, ethoxylated

Parameter	Value	Time of exposure	Species	Environment
NOEC	100 mg/kg	hour	Higher plants	

12.2. Persistence and degradability

not available

12.3. Bioaccumulative potential

not available

12.4. Mobility in soil

not available

12.5. Results of PBT and vPvB assessment

The product is not classified as PBT or vPvB.

12.6. Other adverse effects

not available

SECTION 13: Disposal considerations

Hazard of environmental contamination; remove waste in accordance with local and/or national regulations.

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to an authorised person for waste removal (specialized company) authorised for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Legislation of waste

Council Directive 75/442/EEC on waste, as amended. Council Directive 91/689/EEC on hazardous waste, as amended. Decision 94/3/EC establishing a list of wastes, as amended.

Code of type of waste

120120

Type of waste

spent grinding bodies and grinding materials containing dangerous substances

Subgroup of waste

wastes from shaping and physical and mechanical surface treatment of metals and plastics

Waste group

wastes from shaping and physical and mechanical surface treatment of metals and plastics

Diamond pastes

Date of creation	17. June 2016	Revision no.	
Date of revision		Version	1
Code of type of waste packaging		150110	
Type of waste		packaging containing residues of or contaminated by dangerous substances	
Subgroup of waste		packaging (including separately collected municipal packaging waste)	
Waste group		WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	

SECTION 14: Transport information

- 14.1. **UN number**
Not subject to ADR.
- 14.2. **UN proper shipping name**
not available
- 14.3. **Transport hazard class(es)**
not available
- 14.4. **Packing group**
not available
- 14.5. **Environmental hazards**
not available
- 14.6. **Special precautions for user**
Reference in Sections 4 to 8.
- 14.7. **Transport in bulk according to Annex II of Marpol and the IBC Code**
not available

SECTION 15: Regulatory information

- 15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**
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 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, as amended. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.
- 15.2. **Chemical safety assessment**
not available

16. SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H411 Toxic to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P501 Dispose of contents/container to in accordance with local/regional/national/international regulations.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC50	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
Ems	Emergency plan
ES	Identification code for each substance listed in EINECS
EU	European Union
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals

Diamond pastes

Date of creation	17. June 2016	Revision no.	
Date of revision		Version	1

IC50	Concentration causing 50 % blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Transport
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD50	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
Log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
MFAG	First Aid Manual
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of chemicals (EP and Council Regulation (EC) No 1907/2006)
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
w/w	Weight by weight

Aquatic Chronic Hazardous to the aquatic environment

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Publication of "Zásady pro poskytování první pomoci při expozici chemickým látkám" (doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

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