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Section 1: Product and Company Identification

Product Name: Diamond Paste

Product Number Brand: DP-PTW

Emergency Phone Number: 1-520-514-1100

Contact Information:

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Section 2: Hazards Identification

Hazard category: General industrial chemical products.

Routes of invasion: Skin contact, eye contact, accidental ingestion.

Health hazard: Accidental ingestion is harmful to the body.

Environmental hazard: It contains organic active agents. When discharged in large quantities directly, it accumulates, causing soil and water bodies to become organic.

Explosion hazard: Contains organic active agents. This product is flammable.

Warning: Keep away from high temperatures and heat sources.

Section 3: Composition/Information on Ingredients

| Composition | CAS-No. | Percentage % | EC-No. |
|--------------------|----------------|---------------------|---------------|
| Lubricant | Exclusive use | <10 | Exclusive use |
| Deionized water | 7723-18-5 | / | 231-791-2 |
| Surfactant | Compound | <0.5 | / |
| Carrier | Exclusive use | <60 | Exclusive use |
| Diamond Powder | Exclusive use | <15 | Exclusive use |

Section 4: First-Aid Measures

Skin contact: Remove contaminated clothing and rinse with running water.

Eye contact: Lift the eyelids and rinse with running water or physiological saline. Seek medical treatment.

Ingestion: Drink plenty of warm water, induce vomiting, wash the stomach and promote defecation. Seek medical treatment.

Section 5: Fire Control Measures

Fire extinguishing methods and extinguishing agents

Fire extinguishing media: Mist water, foam, dry powder, carbon dioxide, sand and soil.

Fire precautions and measures

As far as possible, the container from the fire to the open area. Spray water to keep the fire container cool until the fire is over. In case of fire, fire personnel must operate in a protected shelter. If necessary, wear self-contained breathing apparatus to fight the fire.

Section 6: Leakage Emergency Treatment

Emergency response: Evacuate personnel from the contaminated area of the leakage to a safe zone immediately and cut off the source of the leakage as much as possible.

Minor leakage: Avoid raising dust. Carefully sweep up and place in a bag for transfer to a safe location.

In case of large-scale leakage: Cover with plastic sheeting or canvas, collect and recycle or transport to a waste treatment site for disposal.

Section 7: Handling and Storage

Safe storage conditions: Store under dry conditions with a temperature ranging from -5 to 35°C.

Incompatible substances: Solvent oils.

Product shelf life: 12 months

Section 8: Exposure Controls/Personal Protection

Respiratory protection: Generally, no special protection is required under well-ventilated conditions.

Physical protection: Wear general work protective clothing.

Hand protection: Wear chemical-resistant gloves.

Other precautions: After work, take a shower and change clothes. Avoid prolonged and repeated exposure.

Hygiene measures: Please handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes and contact with clothes. Do not eat, drink or smoke when in use. Wash your hands immediately before taking a break and after using this product. Wash the contaminated clothes before wearing them again.

Section 9: Physical and Chemical Properties

| | |
|--|---------------------------|
| Physical state | Paste |
| Odor | No irritating odor |
| Relative density | 0.8~1.3 g/cm ³ |
| Boiling point | 245°C |
| Flash point | >250°C |
| Combustion limit -lower limit (%) | no data available |
| Combustion limit -upper limit (%) | no data available |

Section 10: Stability and Reactivity

Stability: It is stable under normal storage conditions.

Situations to be avoided: Open flame sources.

Harmful decomposition products: None.

Section 11: Toxicological Information

Acute toxicity: No acute toxicity.

Subacute and chronic toxicity: Extremely low toxicity.

Irritation: Slightly irritating.

Allergenicity: Allergic reactions occur when the skin comes into contact with it for a long time.

Carcinogenicity: No data available.

Teratogenicity: No data available.

Mutagenicity: No data available.

Reproductive toxicity: No data.

Specific target organ system toxicity (one-time exposure): No data available.

Toxicity to specific target organ systems (repeated exposure): No data available.

Section 12: Environmental Information

| | |
|-----------------------------------|---|
| Ecotoxicity | Generates organic carbon, pollutes water bodies and the atmosphere. |
| Biodegradability | It is easily degraded in the presence of water. |
| Non-biodegradability | No data available. |
| Bioaccumulation or bio-enrichment | no data available |
| Soil and water mobility | no data available |
| Other harmful information | no data available |

Section 13: Disposal Considerations

Waste nature: Nearly neutral.

Product waste disposal suggestions: Regularly recycle and hand over to a local authorized industrial waste treatment institution for disposal.

Suggestions for packaging waste disposal: Simple processing and recycling.

Disposal precautions: None.

Waste liquid is recovered in special containers.

Section 14: Transport Information

Dangerous goods number: No information available.

Transportation name: Grinding paste.

Hazard classification: General chemical products.

Packaging categories: 5g/ piece, 10g/ piece, 50g/ bottle, 100g/ bottle, 500g/ bag, 1000g/ bag.

Packaging method: Filling.

Transportation precautions: Transportation shall comply with the relevant regulations on cargo transportation. Before transportation, it is necessary to check whether the packaging containers are intact and sealed. During transportation, it is essential to ensure that the containers do not leak, collapse, fall or get damaged. It is strictly prohibited to mix and transport with acids, alkalis, oxidants, volatile substances, etc. When shipping, it should be isolated from the engine room, power supply, fire source and other parts. When transporting by road, travel along the prescribed routes.

Section 15: Regulatory Information

No listed as hazardous chemicals.

Section 16: Other Information

Further information

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