

MATERIAL SAFETY DATASHEET

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Section 1. ----- chemical identification -----

- a) Name: 10 mL diamond slurry (1 µm)
- b) Part no: 250.1030
- c) For use with electrochemical flow cell

Section 2. ----- composition/information on ingredients -----

Diamond abrasive compound for use in precision surface finishing industries Thixotropic water based liquid containing glycol .

Hazardous ingredients	Conc.	CAS	EINECS
Propylene glycol (Propane-1,2-diol particulates)	20-30%	57-55-6	200-338-0

Section 3. ----- hazards identification -----

Other hazards The product is classified as non hazardous. Contact with the eyes should be avoided due to the abrasive nature of the product.

Section 4. ----- first-aid measures- -----

- a) Eye contact: Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.
- b) Skin contact: Wash off with soap and water Should irritation occur, seek medical attention.
- c) Ingestion: Wash out mouth with water. DO NOT INDUCE VOMITING Seek medical attention.
- d) Inhalation: not applicable

Section 5. ----- fire fighting measures -----

- a) Flashpoint: Not applicable
- b) Suitable extinguishing media: Not applicable
- c) Hazardous decomposition/combustion products: Not expected to be combustible in liquid form
- d) protective equipment: Not applicable

Section 6. ----- accidental release measures- -----

- a) Behaviour in water: Miscible.
- b) Spillage: Mop up with suitable absorbent material. Wash area of spillage with detergent solution
- c) Waste disposal: Dispose of according to a recognised method of chemical disposal.

Section 7. ----- handling and storage- -----

- a) Handling: Handle in accordance with normal good industrial hygiene practice, using standard skin and eye protection.
- b) Storage: Store under normal, cool, dry conditions. Extremes of temperature should be avoided.

Section 8. ----- exposure controls/personal protection- -----

Exposure limits

Propylene glycol (Propane-1,2-diol particulates)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: -
Propylene glycol (Propane-1,2-diol total vapour and particulates)	WEL 8-hr limit ppm: 150 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 474 WEL 15 min limit mg/m3: -

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Suitable respiratory equipment.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Avoid contact with eyes. Face shield.
Protective equipment	Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

Section 9. - - - - - physical and chemical properties - - - - -

Description	Liquid
Colour	Light-blue
pH	7.5 - 8.5
Boiling point	100°C
Relative density	1.0 Approx
Water solubility	soluble.
Viscosity	400 cps @ 25°C

Section 10. - - - - - stability and reactivity - - - - -

Stability	Stable under normal conditions.
Materials to avoid	Strong oxidising agents.
Hazardous decomposition products	None

Section 11. - - - - - toxicological information - - - - -

Acute toxicity	May be harmful by ingestion, inhalation or if absorbed through the skin.
Corrosivity	May cause irritation to skin. May cause irritation to eyes.
Sensitization	May cause sensitisation by skin contact.
Repeated or prolonged exp.	May cause dermatitis.

Section 12. - - - - - ecological information - - - - -

No data available

Section 13. - - - - - disposal considerations - - - - -

Dispose of according to a recognised method of chemical disposal.

14. - - - - - transport information - - - - -

The product is not classified as dangerous for carriage.

Section 15. - - - - - regulatory information - - - - -

Labelling	The product is classified in accordance with 67/548/EEC.
Risk phrases	R67 - Vapours may cause drowsiness and dizziness. R36 - Irritating to eyes.
Safety phrases	S24/25 - Avoid contact with skin and eyes..

Section 16. - - - - - other information - - - - -

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Date: July 18, 2014