

MATERIAL SAFETY DATA SHEET

PAGE 1

MSDS No.: 162
 DATE: 06/12/12

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

PRODUCT NAME: Hyprez Diamond Slurry S4889
 FORMULATION: 4889
 CHEMICAL FAMILY: Glycol/Water
 PRODUCT DESCRIPTION: Thin fluid, odorless
 SUPPLIER: Engis Corporation Phone: (847) 808-9400
 105 W. Hintz Road Fax: (847) 808-9430
 Wheeling, IL 60090 USA Emergency: 1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification	Hazard Class	Category
Health Hazards:	Acute toxicity (oral)	Category 5
	Skin corrosion/irritation	Category 3
	Serious eye damage	Category 2B
	Reproductive toxicity	Category 1B
	Specific target organs/systemic toxicity following single exposure	Category 1 (nerve system, kidney, heart, organs of respiratory)
	Specific target organs/systemic toxicity following repeated exposure	Category 1 (nerve system, kidney, heart)
Environment:	Hazardous to the aquatic environment	Category 3
Physical/Chemical Hazard:	Not applicable.	
Fire and Explosion Hazard:	Not applicable.	

GHS Label Elements:

Pictogram: Health Hazard



Signal word: Danger

Hazard statements:

- May be harmful if swallowed.
- Causes mild skin/eye irritation.
- May damage fertility or the unborn child.
- Causes damage to nerve systems, kidney, heart and organs of respiratory.
- Causes damage to nerve systems, heart, organs of respiratory through prolonged or repeated exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>CAS#</u>	<u>REACH Registration</u>	<u>% Wt</u>
Diamond	7782-40-3	231-953-2	0% - 5%
Ethylene Glycol	107-21-1	203-473-3	15% - 50%

See Section 8 for Workplace Exposure Limits (WEL)

4. FIRST AID MEASURES

- SKIN CONTACT:** Wash thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
- EYES:** Flush thoroughly with water until irritation subsides, lifting upper and lower lids to facilitate cleansing. If irritation persists, seek medical assistance.
- INHALATION:** Remove individual to fresh air. If breathing is difficult, administer oxygen and seek medical attention.
- INGESTION:** Do not induce vomiting. Keep person at rest and seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Use water spray to cool surfaces exposed to fire to disperse vapors and to protect personnel attempting to stop any leakage. Extinguish the fire with foam, dry chemical or carbon dioxide.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, various oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

- Eliminate source of ignition
- Prevent liquid from entering sewers, water courses or low areas
- Keep personnel/public away. If possible, shut off source of release without further hazard
- Advise authorities if liquid has entered sewers, water courses or has contaminated soil.
- Contain spilled liquid with absorbent material
- Take up absorbed material and place into suitable containers for disposal
- Consult an expert on disposal of recovered material to ensure conformity to local regulations

7. HANDLING & STORAGE

STORAGE TEMPERATURE: Ambient
TRANSPORT TEMPERATURE: Ambient
STORAGE PRESSURE: Atmospheric

ELECTROSTATIC ACCUMULATION HAZARD: Not Applicable

MATERIALS/COATINGS COMPATIBILITY: Glass, carbon steel, stainless steel, polyethylene, polypropylene, polyester, aluminum.

MATERIALS/COATINGS UNSUITABLE: Strong oxidizing agents (acids), zinc, galvanized steel. Testing for compatibility with specific plastic materials is recommended.

GENERAL NOTES: Keep container closed. Store in well ventilated area away from incompatible materials. Do not expose liquid or vapors to open flame, heat or sources of ignition. Empty product containers may contain residues (liquid, vapor). Do not re-use empty containers without adequate cleaning.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limit (OEL): 50 mg/M³ (vapor) for ethylene glycol component

For open systems (liquid or spray) where contact is likely, wear safety glasses with side shields, long sleeves and plastic protective gloves. Provide sufficient local exhaust and general ventilation to maintain exposure below OEL, especially for spraying operations producing mists. Where concentrations in air may exceed the OEL and the engineering practices are not adequate to accomplish exposure reduction, approved respirators may be necessary to prevent overexposure by inhalation.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Thin Fluid	FLASHPOINT:	Greater than 200°F
ODOR:	Odorless	AUTOIGNITION TEMP:	Not Applicable
FREEZING POINT:	32°F (0°C)	VISCOSITY:	7-11 cps
BOILING POINT:	212°F	EVAPORATION RATE:	Slower than water
PERCENT VOLATILE:	70%	SOLUBILITY IN WATER:	Soluble
SPECIFIC GRAVITY:	1.03 gm/cc	VAPOR DENSITY:	Heavier than air

10. STABILITY AND REACTIVITY

Stable at normal temperatures and pressure. Hazardous polymerization will not occur. Not reactive at normal temperatures and pressures.

11. TOXICOLOGICAL INFORMATION

SKIN: Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis.

EYES: Irritating, but does not injure eye tissue.

INHALATION: Vapor concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.

INGESTION: Stomach irritation, nausea, vomiting, diarrhea. In humans, overexposure causes liver abnormalities, kidney damage, central nervous system effects.

Not Available

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Care should be taken to ensure compliance with EC, National and Local Regulations. This product is not suitable for disposal by landfill, municipal sewers, drains, natural streams or rivers. Waste product must be disposed of via an authorized waste disposal company in accordance with Local and National Waste Disposal Regulations.

14. TRANSPORT INFORMATION

EMS:	None	I.M.D.G.:	None	PACKING GROUP:	None
M.F.A.G.:	None	CAS NUMBER:	Mixture	TRANS CAT:	None
ICAO/IATA:	Not restricted by air	TREM CARD:	None	EMERGENCY ACTION CODE:	None

15. REGULATORY INFORMATION

IARC, NTP, OSHA CARCINOGENS: N/A
SARA TITLE III SECTION 313 TOXIC RELEASE INVENTORY (TRI) CHEMICALS: Ethylene Glycol

16. OTHER INFORMATION

NFPA CODES: Flammability: 0 Health: 1 REACTIVITY: 0