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

1.1 PRODUCT IDENTIFIER:

PRODUCT NAME: Hyprez® Diamond Slurry S1313-T4 & S1313-T4M
FORMULATION: 4622-10
CHEMICAL FAMILY: Petroleum Distillates

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

Relevant identified uses: Industrial polishing
Uses advised against: No data available

1.3 DETAILS OF SUPPLER OF SAFETY DATA SHEET:

Supplier: Engis Corporation
105 W. Hintz Road
Wheeling, IL 60090 USA
Phone: (847) 808-9400
Fax: (847) 808-9430

1.3 EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 (US) ; 1-703-527-3887 (International)

SECTION 2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

GHS Classification	Hazard Class	Category
Health Hazards:	Aspiration Hazard	Category 1 (H304)
Environment:	Not applicable	
Physical/Chemical Hazard:	Not applicable.	
Fire and Explosion Hazard:	Flammable Liquids	Category 4 (H227)

2.2 LABEL ELEMENTS:

Pictogram or Symbol:

Signal Word: Danger

Hazard Risk Statement(s):

H227 Combustible liquid
H304 May be fatal if swallowed and enters airways

Precautionary Statement(s):

P210	Keep away from flames and hot surfaces. No smoking.
P280	Wear protective gloves and eye / face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO_2) for extinction
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up
P501	Dispose of contents & container according to local regulations

2.3 OTHER HAZARDS:

Repeated contact may cause mild skin and eye irritation. Vapor is irritating to the eyes.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES: N/A

3.2 MIXTURES:
Petroleum Distillates

CAS No.	Name	Wt %	Classification according to GHS
7782-40-3	Diamond	0 - 5%	None
64742-48-9	Isoparaffinic Hydrocarbon	60 - 90%	Aspiration Hazard - Cat. 1 (H304) Flammable Liquids – Cat. 4 (H227)

For the full text of the H-Statements listed in Composition section 3.2 see Section 16

3.3 ADDITIONAL INFORMATION:

See Section 8 for Workplace Exposure Limits (WEL)

SECTION 4. FIRST AID MEASURES

4.1 DESCRIPTION OF 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.

4.2 MOST IMPORTANT SYMPTIONS AND EFFECTS, BOTH ACUTE AND DELAYED:
Prolonged and repeated exposure may cause skin and eye irritation

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
No data available

SECTION 5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:
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.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, various oxides of carbon.

5.3 ADVICE FOR FIRE-FIGHTERS:
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 ADDITIONAL INFORMATION:
No data available

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
Use personal protective equipment. Keep personnel/public away. If possible, shut off source of release without further hazard

6.2 ENVIRONMENTAL PRECAUTIONS:
Prevent liquid from entering sewers, water courses or low areas. Advise authorities if liquid has entered sewers, water courses or has contaminated soil.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN-UP:
Contain spilled liquid with absorbent material. Take up absorbed material and place into suitable container for disposal. Consult an expert on disposal of recovered material to ensure conformity to local regulations.

6.4 REFERENCE TO OTHER SECTIONS:
None

SECTION 7. HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:
Electrostatic Accumulation Hazard: Not applicable. Store in a well-ventilated area away from incompatible materials Do not expose liquid or vapors to open flame, heat or sources or ignition. Empty product containers may contain residues (liquid, vapor). Do not re-use empty containers without adequate cleaning.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Temperature:	Ambient. ($19^{\circ}C - 27^{\circ}C$)
Transport Temperature:	Ambient
Storage Pressure:	Atmospheric
Materials/Coatings Compatibility:	Glass, carbon steel, stainless steel, polyethylene, polypropylene, polyester
Materials/Coatings Unsuitable:	Strong oxidizing agents (acids), strong alkalis. Testing for compatibility with specific plastic materials is recommended.

7.3 SPECIFIC END USES: No data available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

Workplace Exposure Limit (WEL): Isoparaffinic Hydrocarbon:

	U.S.A.	PEL	= 152 ppm (vapor) = 1200 mg/m3 (RCP-TWA)
		PEL	= 300 ppm (as oil mist)
	UK (EH 40)	WEL	= 171 ppm (vapor) = 1200 mg/m3 (RCP-TWA)

DNEL Values: No data available
PNEC Values : No data available

8.2 EXPOSURE CONTROLS:

Wear Personal Protective Equipment as necessary:

Hand Protection:	Gloves
Eye Protection:	Safety Glasses
Skin and Body Protection:	Protective Clothing
Respiratory Protection:	Provide sufficient local exhaust and general ventilation to maintain exposure below OEL, especially for spraying operations producing mists. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Thin Fluid	EXPLOSIVE LIMITS:	Not determined
COLOR:	Various	VAPOR PRESSURE:	Not determined
ODOR:	Mild, characteristic	VAPOR DENSITY:	Heavier than air
ODOR THRESHOLD:	Not determined	SPECIFIC GRAVITY:	0.8 gm/cc
pH:	Not determined	SOLUBILITY IN WATER:	Insoluble
MELT/FREEZE POINT:	Not determined	PARTITON COEFFICIENT:	Not determined
BOILING RANGE:	365 - 412°F (185 - 212°C)	AUTO IGNITION TEMP:	> 392°F (200°C)
FLASHPOINT:[PMCC]	>142°F (>61°C)	DECOMPOSITION TEMP:	Not determined
EVAPORATION RATE:	Slower than water	VISCOSITY:	4 – 5 cPs
PERCENT VOLATILE:	> 90%	EXPLOSIVE PROPERTIES:	Not determined
OXIDIZING PROPERTIES:	Not determined	FLAMMABILITY:	Not determined

9.2 OTHER SAFETY INFORMATION: No data available

SECTION 10. STABILITY AND REACTIVITY

10.1 REACTIVITY: No data available

10.2 CHEMICAL STABILITY: Stable at normal temperatures and pressure

10.3 POSSIBILITY OF HAZARDOUS REACTION: Not reactive at normal temperatures and pressures

10.4 CONDITIONS TO AVOID: No data available

10.5 INCOMPATIBLE MATERIALS: No data available

10.6 HAZARDOUS DECOMPOSITION PRODUCTS: None with proper storage and handling

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity:	No data available
Irritation:	No data available
Corrosivity:	No data available
Sensitization:	No data available
Repeated dose toxicity:	No data available
Carcinogenicity:	No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, NTP, or OSHA.
Mutagenicity:	No data available
Toxicity for reproduction:	No data available
Risk of aspiration toxicity:	May be fatal if swallowed and enters airways. Based on physio-chemical properties of the materials
STOT–single exposure:	No data available
STOT–repeated exposure:	No data available

CMR ASSESSMENT:

Target Organ Effects:	No data available.
Development Information:	No data available
Cancer Information:	No data available

11.2 OTHER INFORMATION: No data available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity:	No data available
12.2 Persistence and degradability:	No data available
12.3 Bioaccumulative potential:	No data available
12.4 Mobility in soil:	No data available
12.5 Results of PBT and vPvB assessment:	No data available
12.6 Other adverse effects:	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

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

SECTION 14. TRANSPORT INFORMATION

14.1 UN NUMBER:

DOT/ADR/RID: none IMDG: none IATA: none

14.2 UN PROPER SHIPPING NAME:

DOT/ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

14.3 TRANSPORT HAZARD CLASS(ES):

DOT/ADR/RID: Not regulated IMDG: Not regulated IATA: Not regulated

14.4 PACKAGING GROUP:

DOT/ADR/RID: none IMDG: none IATA: none

14.5 ENVIRONMENTAL HAZARDS:

DOT/ADR/RID: no IMDG: Marine pollutant: no IATA: no

14.6 SPECIAL PRECAUTIONS FOR USER: No data available

SECTION 15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

IARC, NTP, OSHA CARCINOGENS: Not applicable

SARA TITLE III SECTION 313 TOXIC RELEASE INVENTORY (TRI) CHEMICALS: Not applicable

15.2 CHEMICAL SAFETY ASSESSMENT: No data available

HMIS CODES:	Health: 1	Flammability: 2	Physical Hazards: 0
NFPA CODES:	Health: 1	Flammability: 2	Reactivity: 0

SECTION 16. OTHER INFORMATION

16.1 INDICATION OF CHANGES

CHANGES FROM PREVIOUS REVISION INCLUDE: Converted to GHS format, all sections are affected

DATE OF PREVIOUS REVISION: 11/17/2010

16.5 RELEVANT H-phrases (number and full text)

Full text of H-Statements referred to under sections 2 and 3.

H304	May be fatal if swallowed and enters airways
H227	Combustible liquid