SAFETY DATA SHEET
Hyprez® L Diamond Compound

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1. PRODUCT AND COMPANY IDENTIFICATION

SDS Number: 102
Product Name: Hyprez® L Diamond Compound

Company Name: Engis Corporation
105 West Hintz Road
Wheeling, IL 60090

Phone Number:
+1 (847)808-9400
Fax Number:
+1 (847)808-9430

Web site address: www.engis.com
Emergency Contact: CHEMTREC +1 (800)424-9300

Product Category: White Mineral Oil/Polyalkylene Glycol
Formulation: C3018

2. HAZARDS IDENTIFICATION

Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A

GHS Signal Word: **Warning**

GHS Hazard Phrases:
H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.

GHS Precaution Phrases:
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 - Rinse mouth.
P302+352 - IF ON SKIN: Wash with plenty of soap and water. P332+313 - If skin irritation occurs, get medical advice/attention. P362+364 - Take off contaminated clothing and wash it before reuse.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.
P321 - Specific treatment see Section 4 reference to supplemental first aid instruction - if immediate measures are required.

GHS Storage and Disposal Phrases:
P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.

Potential Health Effects (Acute and Chronic): Prolonged or repeated skin contact may cause dermatitis.

Inhalation: Low hazard for normal industrial handling. Inhalation of a mist of this material may cause respiratory tract irritation.

Skin Contact: May cause skin irritation.

Eye Contact: May cause mild eye irritation.

Ingestion: Low hazard for usual industrial handling. Due to the viscosity, this product, as supplied, does not present an aspiration hazard. Ingestion of large amounts may cause gastrointestinal irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
7782-40-3	Diamond	0 - 30.0 %
8002-74-2	Paraffin waxes	1.00 - 5.00 %
8042-47-5	White mineral oil	20.0 - 35.0 %
9003-13-8	Polypropylene glycol monobutyl ether	20.0 - 35.0 %
128-37-0	Butylated hydroxytoluene	<0.500 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: If breathed in, move person into fresh air.

In Case of Skin Contact: Wash off with soap and plenty of water. Get medical aid if irritation develops or persists. Wash clothing before reuse.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Do NOT allow victim to rub eyes or keep eyes closed. Get medical aid.

In Case of Ingestion: Do NOT induce vomiting or give anything by mouth to an unconscious or convulsing person. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get immediate medical advice/attention.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt: > 250 F (121 C) Method Used: Unknown

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. Use water spray to cool surfaces exposed to fire and to disperse vapors.

Flammable Properties and Hazards: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: carbon.

Hazardous Combustion Products: No data available.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Do not let product enter drains.

Steps To Be Taken In Case Material Is Released Or Spilled: Spills/Leaks: Provide ventilation. Clean up excess or waste material and dispose as non-hazardous solid waste.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Wash hands before eating. Minimize dust generation and accumulation. Do not empty into drains.

Precautions To Be Taken in Storing: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from heat and flame. Do not store above 120°F. Do not store in direct sunlight. Materials/Coatings Compatibility: Glass, carbon steel, stainless steel, polyethylene, polypropylene, polyester. Testing for compatibility with specific plastic materials is recommended.

Other Precautions: Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7782-40-3	Diamond	No data.	No data.	No data.
8002-74-2	Paraffin waxes	No data.	TLV: 2 mg/m3	No data.
8042-47-5	White mineral oil	PEL: 5 mg/m3 (as oil mist)	No data.	No data.
9003-13-8	Polypropylene glycol monobutyl ether	No data.	No data.	No data.
128-37-0	Butylated hydroxytoluene	No data.	TLV: 2 mg/m3 (Inhalation)	No data.

Respiratory Equipment (Specify Type): Not required under normal conditions of use with adequate ventilation. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level, an approved respirator must be worn.

Eye Protection: Safety glasses.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility, and a safety shower is recommended.

Work/Hygienic/Maintenance Practices: General industrial hygiene practice.

Environmental Exposure Controls: Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[ ] Gas [ ] Liquid [X] Solid
Appearance and Odor:	Appearance: Solid. Paste. Odor: Odorless.
pH:	NA
Melting Point:	167 F (75.0 C)
Boiling Point:	> 400 F (204 C)
Flash Pt:	> 250 F (121 C) Method Used: Unknown
Evaporation Rate:	NA
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	NA
Specific Gravity (Water = 1):	> 1.0
Density:	NA
Solubility in Water:	Insoluble
Saturated Vapor Concentration:	NA
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	NA

10. STABILITY AND REACTIVITY

Reactivity:	Not reactive at normal temperatures and pressures.
Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	High temperatures, Incompatible materials.
Incompatibility - Materials To Avoid:	Strong oxidizers, Strong bases.
Hazardous Decomposition or Byproducts:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: carbon.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:

Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.

Other Studies: CAS# 128-37-0:
Acute toxicity, LD50, Oral, Rat, 890 mg/kg.
Other Studies: CAS# 9003-13-8:
Acute toxicity, LD50, Oral, Rat, 5840 mg/kg.

Irritation or Corrosion:

Other Studies: CAS# 128-37-0:
Standard Draize Test, Skin, Species: Rabbit, 500 mg, 48H
Standard Draize Test, Eyes, Species: Rabbit, 100 mg, 24H.
Other Studies: CAS# 8002-74-2:
Standard Draize Test, Skin, Species: Rabbit, 500 mg, 24H
Standard Draize Test, Eyes, Species: Rabbit, 100 mg, 24H.
Other Studies: CAS# 9003-13-8:
Standard Draize Test, Skin, Species: Rabbit, 500 mg, 24H
Standard Draize Test, Eyes, Species: Rabbit, 500 mg, 24H.

Sensitization:

No data available.

Chronic Toxicological Effects:

Specific target organ toxicity - single exposure: No data available.
Specific target organ toxicity - repeated exposure: No data available.

Carcinogenicity/Other Information:

This product contains < 0.5% BHT, classified as a Category 3 carcinogen (not classifiable as to carcinogenicity in humans) by IARC. No component of this product is present at levels greater than or equal to 0.1% that is identified as a probable or human carcinogen by IARC, NTP, or OSHA.

Carcinogenicity:

NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7782-40-3	Diamond	n.a.	n.a.	n.a.	n.a.
8002-74-2	Paraffin waxes	n.a.	n.a.	n.a.	n.a.
8042-47-5	White mineral oil	n.a.	n.a.	n.a.	n.a.
9003-13-8	Polypropylene glycol monobutyl ether	n.a.	n.a.	n.a.	n.a.
128-37-0	Butylated hydroxytoluene	n.a.	3	A4	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information:

Environmental: No information available.
Physical: No information available.
May be harmful to aquatic organisms.

Other Studies: CAS# 128-37-0:
LC50, Medaka, High-Eyes (Oryzias latipes), 5300 ug/L, 48H.

Results of PBT and vPvB assessment:

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Observe all federal, state, and local environmental regulations. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated.
UN Number:
Hazard Class: **TDG Classification:**

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.
UN Number:
Hazard Class:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.
UN Number: **Packing Group:**
Hazard Class:
IMDG MFAG Number:
IMDG EMS Page: **Marine Pollutant:** No

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7782-40-3	Diamond	No	No	No
8002-74-2	Paraffin waxes	No	No	No
8042-47-5	White mineral oil	No	No	No
9003-13-8	Polypropylene glycol monobutyl ether	No	No	No
128-37-0	Butylated hydroxytoluene	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7782-40-3	Diamond	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
8002-74-2	Paraffin waxes	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
8042-47-5	White mineral oil	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -

		Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
9003-13-8	Polypropylene glycol monobutyl ether	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
128-37-0	Butylated hydroxytoluene	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
7782-40-3	Diamond	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: No; New Zealand IOC: No; China IECSC: Yes; Japan ENCS: No; Japan ISHL: No; Korea ECL: Yes - KE-09834; Philippines ICCS: No; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 801; Switzerland Giftliste 1: No; Switzerland INNS: No; REACH: Yes - (R), (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
8002-74-2	Paraffin waxes	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - (8)-414; Japan ISHL: No; Korea ECL: Yes - KE-27782; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 268; Switzerland Giftliste 1: Yes - G-1283; Switzerland INNS: No; REACH: Yes - (R), (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
8042-47-5	White mineral oil	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - (2)-10; Japan ISHL: No; Korea ECL: Yes - KE-35412; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 434; Switzerland Giftliste 1: No; Switzerland INNS: No; REACH: Yes - (R), (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
9003-13-8	Polypropylene glycol monobutyl ether	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: No; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - (7)-97; Japan ISHL: No; Korea ECL: Yes - KE-04311; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: Yes - Cat.; Germany WHCS: Yes - 3530; Switzerland Giftliste 1: No; Switzerland INNS: No; REACH: Yes - (R), (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
128-37-0	Butylated hydroxytoluene	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - (9)-1805; Japan ISHL: No; Korea ECL: Yes - KE-03079; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: Yes - 29309000; Israel HSL: No; Germany WHCS: Yes - 724; Switzerland Giftliste 1: Yes - G-2202; Switzerland INNS: No; REACH: Yes - (R), (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No

16. OTHER INFORMATION

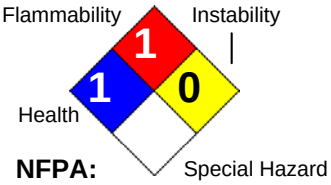
Revision Date: 12/15/2015

Preparer Name: Crystal Maira

Hazard Rating System:

HMIS:

NFPA:



Additional Information: 12/15/2015 - Updated SDS to new format.

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