

PRECISION SURFACES INTERNATIONAL, INC.

922 Ashland Houston, TX 77008-6734

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SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Diamond Extender, Water Soluble
Product Identifier: PSI-546-1
PSI-546-4
Supplier: Precision Surfaces International, Inc.
922 Ashland, Houston, TX 77008-6734
Emergency Telephone: Infotrac 800-535-5053
Recommended Use: Thinner/Lubricant

SECTION 2: Hazard(s) Identification

Potential Health Effects

Eye Contact: May cause irritation

Skin Contact: Repeated or prolonged skin contact may cause irritation

Inhalation: Vapor and mist may irritate nose and throat. Prolonged inhalation may cause dizziness.

Ingestion: May cause gastrointestinal irritation. Nausea and vomiting may occur.

Primary Route(s) of Entry: Inhalation at high temperatures, eye contact, and skin contact.

Target Organs: Respiratory passages at high temperatures, eyes, skin.

Medical Conditions Aggravated by Long-Term Exposure: Individuals with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of chemical.

Carcinogenicity: IARC, NTP, and OSHA do not list this product or its ingredients as carcinogens.

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS #	%	Common Name	REG* (Y/N)	P.E.L. (mg/m ³)	TLV (mg/m ³)	CARCIN. (Y/N)
Hydroxy Glycol	N/A	40 – 60	Glycol	N	15	10	N
Water	7732-16-5	40 – 60	Water	N	None	None	N
Diamond	7782-40-3	.2 - .45	Diamond	N	10	10	N

** Subject to EPA section 313 reporting SARA 40 CFR part 372

NE=None Established

R Phrase:

36/37/38 – Irritating to eyes, respiratory system and skin.

R22 – Harmful if swallowed.

S Phrase:

3/7 – Keep container tightly closed in a cool place.

9 – Keep container in a well-ventilated place.

15 – Keep away from heat.

20/21 – When using do not eat, drink, or smoke.

24/25 – Avoid contact with skin and eyes.

36/37/39 – Wear suitable protective clothing, gloves and eye/face protection.

Product formulation is Proprietary

No ingredients are known to be hazardous under normal usage.

SECTION 4: First-aid Measures

Inhalation: If symptoms develop, remove affected person from source of exposure into fresh air. Get immediate medical attention. If person is not breathing, give artificial respiration. If breathing is difficult, administer oxygen if available.

Skin: Remove contaminated clothing and shoes. Wash exposed area with soap and water. Get medical attention if symptoms persist.

Eye: Flush thoroughly with water for at least 15 minutes. Get immediate medical attention.

Ingestion: Get immediate medical attention. Do not induce vomiting unless instructed to do so by a physician. Give large quantities of water or milk.

SECTION 5: Fire-fighting Measures

Flash Point: N/A

Flash Point Method: PMCC, COC

Lower Flammable Limit (LFL): N/A

Upper Flammable Limit (UFL): N/A

Extinguishing Media: CO₂, Foam, Dry Chemical, Water Spray

Unusual Fire or Explosion Hazards: None

Hazardous Combustion Products: Specific to type of material involved in fire.

Fire-Fighting Instructions: Wear a NIOSH approved positive pressure self-contained breathing apparatus with full protective clothing. Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Fire may produce toxic thermal decomposition products. Wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

SECTION 6: Accidental Release Measures

Small Spills: Isolate area and deny entry. Ventilate area of leak or spill. Small spill can be picked up with vermiculite or other absorbent, noncombustible material. Properly protected personnel should flush spill with plenty of water, taking care not to splash personnel.

Large Spills: Notify appropriate personnel and implement facility emergency response plan. Evacuate nonessential personnel, isolate area, provide maximum ventilation. Cleanup personnel should wear fully protective equipment for vapor inhalation and skin and eye contact.

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release directly into sewers or waterways. Wash walking surfaces thoroughly to reduce slipping hazard.

Cleanup: Absorb spilled liquid with non-reactive absorbent material. Place clean-up material in appropriate disposal containers and dispose of according to local, state, and federal requirements.

Regulatory Requirement: Any release to the environment of this product may be subject to federal, state, and/or local reporting requirements. Check with appropriate agencies.

SECTION 7: Handling and Storage

Handling Precautions: Exercise ordinary care in handling industrial lubricants. Avoid contamination of cigarettes or other tobacco products. Wash hands thoroughly before eating or smoking. Remove contaminated clothing and wash before reuse. Users should be alert to the possibility that very small percentages of the population may display unexpected allergic reactions to otherwise innocuous industrial lubricants and raw materials.

Storage Requirements: Do not store in open or unlabeled containers. Store in well ventilated, properly drained/contained site, away from heat, out of the sun, and away from combustibles and reactive chemicals, Use only approved containers and protect containers from damage and keep material from freezing.

SECTION 8: Exposure Controls/Personal Protection

Respiratory Protection: Avoid breathing in mist. Respiratory protection is generally not necessary under normal conditions of use with adequate general ventilation.

Eye Protection: Avoid eye contact. Wear safety glasses or chemical goggles in accordance with OSHA 29 CFR 1910.133.

Skin Protection: Avoid skin contact. Wear chemical protective gloves. Depending upon conditions of use, additional protection may be necessary such as a face shield, apron, etc.

Ventilation: Local ventilation is generally not necessary under normal conditions of use with adequate general ventilation. Ventilation and other forms of engineering controls are the preferred means for controlling chemical exposures.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

SECTION 9: Physical and Chemical Properties

Appearance and Odor:	Clear lubricant. Dye coloring may be used. No odor.
pH:	5.5 – 7.5
Melting Point:	<-10°C
Boiling Point:	> 110°C
Solidification Point:	N/A
Evaporation Rate:	N/A
Vapor Pressure:	Negligible
Vapor Density (Air=1):	Not Determined
Specific Gravity (H₂O=1, at 4°C):	> 1.05 – 1.15
Water Solubility:	Soluble
Organic Solvent Solubility:	Not Soluble
Ignition Temperature:	N/A
Formula Weight:	Not Calculated
Density:	N/A
% Volatile:	70+

SECTION 10: Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: This product will not undergo hazardous polymerization.

Chemical Incompatibilities: Strong oxidizing materials, hypochlorites, chlorine.

Conditions to Avoid: Strong acids and bases. Heat source.

Hazardous Decomposition Products: Steam, CO₂, CO and unidentified organic compounds in fumes and smoke may be formed during combustion.

SECTION 11: Toxicological Information

Toxicity Data:

Eye Effect: Eye irritant. Inconsequential irritation.

Skin Effect: Practically non-irritating.

Reproductive: Not reported.

Ingestion Effect: Not reported.

Acute Inhalation Effects: Headache, nausea, irritation to the nose and throat.

Acute Oral Effects: N/A

Chronic Effects: Not established.

Carcinogenicity: Not reported.

Mutagenicity: Not reported.

Teratogenicity: Not reported.

SECTION 12: Ecological Information

Ecotoxicity: Not available

Soil Absorption/Mobility: Not available

Degradability: Biodegradable

Environmental Fate and Effects: Not available

SECTION 13: Disposal Considerations

Disposal: Contact a licensed waste-disposal contractor for detailed recommendations. Follow applicable Federal, State, and Local regulations.

Container Disposal: Rinse three times with an appropriate solvent or water. Dispose or recycle the empty container.

Disposal Regulatory Requirements: Many states classify waste lubricants as "hazardous", which mean disposal only by a licensed firm. Follow applicable Federal, state, and local regulations.

SECTION 14: Transport Information

DOT Transportation Data (49 CFR 172.101): Not Regulated

This product meets transportation requirements of the US Department of Transportation (DOT), ICAO, and IATA. This is classified as non-dangerous good.

SECTION 15: Regulatory Information

TSCA: All components of this product are listed on the TSCA inventory.

EPA Regulations:

SARA 311/312 Hazard Class (40 CFR 370)

Immediate (Acute) Health hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Delayed (Chronic) Health Hazard: No

Fire Hazard: No

SARA 313 Toxic Chemicals (40 CFR 372.65)

No ingredients listed

SARA Extremely Hazardous Substances (40 CFR 355)

No ingredients listed

CERCLA Hazardous Substances (40 CFR 302)

No ingredients listed

OSHA Regulations:

Air contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A)

No ingredients listed

This preparation was classified in compliance with the directive known as 1999/45/EC and its adaptations.

This preparation is not classed as hazardous to health by directive 1999/45/EC.

2004/73./EC of 29 April 2004 adapting to technical progress for the 29th time Council Directive 67/548/EEC on the approximation of the laws, regulations, and administrative provisions relating to the classification, packaging and labeling of dangerous substances has been taken into account.

SECTION 16: Other Information

The above information and recommendation are believed to be accurate and reliable. However, no warranty, either expressed or implied, is made as to its accuracy or completeness and none is made as to fitness of this material for any purpose. The manufacturer or supplier shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.

Issue Date:

11/13/13

Review Date:

05/15/17