

SAFETY DATA SHEET (SDS)

Product Name: PRZ23 Cube Lubricant
Formula: 70-75% Propylene Glycol / 25-30% Glycerin / 0.75% Phenoxyethanol
Date of Issue: 9th May 2025
Version: 1.0

SECTION 1: Identification

Product Identifier: PRZ23 Cube Lubricant
Recommended Use: Mechanical lubricant for plastic mechanical puzzles (e.g., Rubik's cubes)
Manufacturer: Prozzta
Contact Information: prozzta@aol.com

SECTION 2: Hazard Identification

Classification (GHS): Not classified as hazardous under normal use, though contains a component that requires caution (Phenoxyethanol).
Label Elements:
- Signal Word: Warning
- Hazard Statements:
- H302: Harmful if swallowed (Phenoxyethanol)
- H319: Causes serious eye irritation (Phenoxyethanol)
- Precautionary Statements:
- P264: Wash hands thoroughly after handling
- P280: Wear eye protection
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes

SECTION 3: Composition/Information on Ingredients

| Ingredient | CAS Number | % by Volume | Classification |
|------------------|------------|-------------|------------------------------------|
| Propylene Glycol | 57-55-6 | 70-75% | Non-hazardous |
| Glycerin | 56-81-5 | 25-30% | Non-hazardous |
| Phenoxyethanol | 122-99-6 | 0.75% | Harmful if swallowed; Eye irritant |

SECTION 4: First-Aid Measures

Inhalation: Move to fresh air. Seek medical advice if symptoms persist.
Skin Contact: Wash with soap and water. Discontinue use if irritation develops.
Eye Contact: Rinse cautiously with water for several minutes. Seek medical attention if irritation persists.
Ingestion: Rinse mouth. Do not induce vomiting. Seek immediate medical advice.

SECTION 5: Fire-Fighting Measures

Flammability: Not classified as flammable.

Extinguishing Media: Water spray, CO₂, dry chemical, foam.

Hazards from Combustion: May produce CO, CO₂.

Protective Equipment: Standard protective gear for chemical fires.

SECTION 6: Accidental Release Measures

Personal Precautions: Avoid eye contact. Use gloves and eye protection if handling large quantities.

Environmental Precautions: Avoid release into drains.

Cleanup Methods: Absorb with inert material. Dispose according to local regulations.

SECTION 7: Handling and Storage

Handling: Avoid contact with eyes. Wash hands after use. Use in well-ventilated areas.

Storage: Store in tightly sealed container at room temperature. Keep away from children and incompatible substances.

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits: No limits established for this mixture.

Personal Protective Equipment: Gloves and eye protection recommended when handling large amounts.

SECTION 9: Physical and Chemical Properties

- Appearance: Clear, viscous liquid

- Odor: Mild, neutral

- pH: ~6-7 (neutral)

- Boiling Point: ~188°C (based on Propylene Glycol)

- Flash Point: ~99°C (closed cup, based on Propylene Glycol)

- Solubility: Fully miscible in water

SECTION 10: Stability and Reactivity

Reactivity: Stable under normal conditions

Chemical Stability: Stable

Incompatibilities: Strong oxidizing agents

Hazardous Decomposition Products: CO, CO₂

SECTION 11: Toxicological Information

Acute Toxicity: Low; phenoxyethanol may be harmful if ingested in large quantities

Skin/Eye Irritation: Low to moderate, especially from phenoxyethanol

Chronic Exposure: No known long-term effects at low exposure levels

SECTION 12: Ecological Information

Eco-toxicity: Not expected to be significantly hazardous in small volumes

Persistence: Biodegradable

Bioaccumulation: Low

Mobility: High in water

SECTION 13: Disposal Considerations

Dispose in accordance with local regulations. Do not flush to drain or waterway.

SECTION 14: Transport Information

UN Number: Not regulated

Transport Hazard Class: Not applicable

Packaging Group: Not applicable

SECTION 15: Regulatory Information

This product complies with relevant EU chemical safety regulations (REACH/CLP).

SECTION 16: Other Information

Prepared By: Prozzta

Intended Use: Mechanical lubricant for puzzle mechanisms. This is a DIY product intended for personal, non-commercial use. Not for cosmetic or food use.

Disclaimer: This SDS is provided in good faith based on available data. It is not a warranty of safety or suitability for any particular purpose.

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