

SAFETY DATA SHEET (SDS)

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name: Muzoil

Recommended Use: Gemstone clarity enhancement

Company: Gemma SAS, 10 rue de Penthièvre, 75008 Paris, France

Contact: contact@muzoil.com

Emergency Phone: +33 (0)1 45 42 59 59 (ORFILA / INRS)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Synthetic oil

Physical Form: Liquid

Hazardous Ingredients: None

3. HAZARDS IDENTIFICATION

Classification: Not hazardous

Primary Routes: Inhalation, skin contact, accidental ingestion

Eyes: Direct contact may cause temporary redness

Skin: No significant irritation expected

Inhalation: No significant irritation expected at room temperature

Ingestion: Very low toxicity if swallowed

4. FIRST AID MEASURES

Eyes: Immediately flush with water.

Skin: Wash with soap and water.

Inhalation: Move to fresh air if heated vapors are inhaled.

Ingestion: Seek medical attention if ingested in large quantities.

Note to Physicians: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability: Not classified as flammable under GHS criteria.

Flash Point: >120°C

Extinguishing Media: Dry chemical, foam, or water spray

Unusual Hazards: Burns more vigorously than would be expected.

Special Procedures: Cool exposed containers with water spray. Wear self-contained breathing apparatus in heavy smoke.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid eye contact. Prevent slipping hazards on spilled surfaces.

Environmental Precautions: Prevent from entering drains or rivers.

Clean-up Methods: Absorb with suitable material. Final cleaning may require solvents or detergents.

7. HANDLING AND STORAGE

Handling: Use with adequate ventilation. Avoid eye contact. Wash hands after handling.

Storage: Store away from strong oxidizing materials. Keep containers closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: General ventilation recommended. Adequate ventilation required if heated above 100°C.

Eye Protection: Safety glasses recommended.

Skin/Hand Protection: Standard hygiene practices; no special protective equipment required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid

Color: Colorless, clear

Odor: Odorless

Viscosity: 150-200 mm²/s at 25°C

Refractive Index: 1.577

Specific Gravity: 0.90-1.10

Vapor Pressure: Low

Boiling Point: >200°C

Freezing Point: <-10°C

Flash Point: >120°C

Solubility: Insoluble in water. Soluble in common organic solvents.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Conditions to Avoid: None

Materials to Avoid: Strong oxidizing materials

Hazardous decomposition products: Carbon oxides (CO, CO₂) and incomplete combustion products. Extreme thermal decomposition may release irritating organic vapors.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD₅₀ > 5,000 mg/kg (estimated)

Acute Dermal Toxicity: LD₅₀ > 2,000 mg/kg (estimated)

Skin Corrosion/Irritation: Essentially non-irritating to skin. Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Sensitizing Effects: Did not cause allergic skin sensitization.

Mutagenic / Reproductive / Carcinogenic Effects: None known.

12. ECOLOGICAL INFORMATION

Environmental Effects: No adverse effects on aquatic organisms.

Bioaccumulation: No bioaccumulation potential.

13. DISPOSAL CONSIDERATIONS

Disposal: Dispose of product and packaging in accordance with local, national, and international regulations.

14. TRANSPORT INFORMATION

Road/Rail/Sea/Air: Not classified as hazardous for transport. Not restricted by IMDG or IATA regulations.

15. REGULATORY INFORMATION

Chemical Inventories: All components are listed or exempt on standard chemical inventories (AICS, IECSC, DSL, TSCA, EINECS).

16. OTHER INFORMATION

Revision Date: September 2026

This information is offered in good faith as typical values and not as a product specification. Users should review these recommendations in the specific context of their intended use.