IngredientOS

Professional Cosmetic Ingredients | Transparent INCI

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SAFETY DATA SHEET

1,2-Hexanediol • Lot IO-HXD-261120

1. IDENTIFICATION
Product name: 1,2-Hexanediol
INCI: 1,2-Hexanediol
CAS: 6920-22-5
EC: 230-029-6
Molecular formula: C6H14O2
Molecular weight: 118.17 g/mol
Lot: IO-HXD-261120
Recommended use: Cosmetic raw material for external use only. Multifunctional diol (solvent, humectant, preservative booster).
Supplier: IngredientOS, United States

2. HAZARD(S) IDENTIFICATION
Not classified as a hazardous substance or mixture under GHS criteria for typical cosmetic handling.
Signal word: None
Pictograms: None
Hazard statements: None required
Precautionary statements: Handle with standard laboratory precautions. Avoid prolonged contact with eyes.

3. COMPOSITION / INFORMATION ON INGREDIENTS
Components: 1,2-Hexanediol (CAS 6920-22-5) ≥ 99 %
Molecular formula: C6H14O2
High-purity diol. No intentional hazardous additives.

4. FIRST-AID MEASURES
Inhalation: Move to fresh air.
Skin contact: Wash with soap and water.
Eye contact: Rinse with water for several minutes.
Ingestion: Rinse mouth. Seek medical advice if needed.

5. FIRE-FIGHTING MEASURES
Suitable extinguishing media: water spray, foam, dry chemical, CO■. Combustible liquid (flash point ~122 °C).

6. ACCIDENTAL RELEASE MEASURES
Absorb with inert material. Collect and dispose according to local regulations. Avoid release into drains.

7. HANDLING AND STORAGE
Handle with standard precautions. Store tightly closed at ambient temperature, protect from moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
No occupational exposure limits established. Use adequate ventilation. Safety glasses recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Clear colorless liquid
Odour: Faint / characteristic
Solubility: Fully miscible with water
Density: 0.945 – 0.960 g/cm³
Molecular formula: C6H14O2
Molecular weight: 118.17 g/mol
Flash point: ~122 °C
Other properties: not determined.

10. STABILITY AND REACTIVITY
Stable under recommended storage conditions. Hygroscopic; protect from moisture.

11. TOXICOLOGICAL INFORMATION
No specific toxicological data available for cosmetic use. Not classified as acutely toxic based on available information. Not for injection or ingestion.

12. ECOLOGICAL INFORMATION
No specific data available. Readily biodegradable. Avoid uncontrolled release.

13. DISPOSAL CONSIDERATIONS
Dispose in accordance with local regulations.

14. TRANSPORT INFORMATION
Not regulated as dangerous goods under typical conditions.

15. REGULATORY INFORMATION
Cosmetic raw material for external use only. Formulators responsible for finished product compliance. CosIng listed (skin conditioning, solvent).

16. OTHER INFORMATION
Preparation date: 20 November 2026
Lot: IO-HXD-261120
Information believed accurate based on available data. User responsible for suitability and regulatory compliance. External cosmetic use only.