SAFETY DATA SHEET

JoiMist Medium Styling & Finishing Spray (55% VOC)

Administrative reissue date: 9 November 2026 **Document version:** 4 (administrative update only)

Technical source: Manufacturer/distributor SDS Version 3, dated 5 June 2023. Technical content has not been independently reviewed or revalidated by this administrative update.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: JoiMist Medium Styling & Finishing Spray (55% VOC)

Australian importer and distributor: Sabre Haircare
Suite 3, Building 6, 49 Frenchs Forest Road East, Frenchs Forest NSW 2086, Australia
Telephone: 02 9982 0100

Manufacturer: Zotos International, Inc., 100 Tokeneke Road, Darien, CT 06820, USA
Website: www.zotos.com

Emergency telephone: Poisons Information Centre 13 11 26 (Australia). Confirm any required National Poisons Register notification/permission before publishing this number.

2. HAZARDS IDENTIFICATION

Source classification: F; R11 (legacy classification stated in source SDS).

Source risk phrase: R11 – Highly flammable.

Source safety phrases: S2 – Keep out of reach of children. S46 – If swallowed, seek medical advice immediately and show this container or label.

Source hazard statements: FLAMMABLE AEROSOL. CAUSES EYE IRRITATION.

Additional source statement: Not expected to produce significant adverse health effects when the recommended instructions for use are followed.

Australian WHS/GHS 7 status: The source uses a legacy F; R11 classification and does not provide a verified Australian GHS 7 classification. Do not treat this legacy classification as confirmation of current Australian compliance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture: Yes. The source identifies the following ingredients:

Ingredient name	CAS number	Concentration (%)
Ethyl alcohol	64-17-5	52.69
1,1-difluoroethane	75-37-6	41.30
(R)-p-mentha-1,8-diene	5989-27-5	0.01

Other ingredients, determined by the source supplier not to be hazardous according to Safe Work Australia criteria and not dangerous according to the ADG Code, make up the product concentration to 100%. Source states no additional reportable hazardous ingredients are present.

4. FIRST AID MEASURES

Inhalation: Move affected person to fresh air.

Ingestion: Source states significant adverse effects are not expected when recommended instructions are followed. Treat symptomatically. Never give anything by mouth to an unconscious person. Call a physician.

Skin contact: Remove contaminated clothing and shoes. Wash with plenty of soap and water.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Protection of first-aiders: Do not take action involving personal risk or without suitable training. Mouth-to-mouth resuscitation may be dangerous to the person providing aid.

Advice to doctor: None stated in source.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Dry chemical, carbon dioxide, alcohol-resistant foam or water spray (fog).

Special exposure hazards: Flammable liquid. Prevent flammable or explosive vapour concentrations in air and avoid concentrations above occupational exposure limits.

Hazardous thermal decomposition products: May include hydrofluoric and/or carbonyl halides.

Fire-fighter protection: Contact emergency personnel. In case of insufficient ventilation, wear suitable respiratory equipment.

Hazchem code: 2YE (as stated in source).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Flammable. Keep away from heat, sparks and open flame. No smoking. Avoid eye contact. Keep out of reach of children.

Environmental precautions: Source states leaking packages should be placed in open containers outdoors away from ignition sources.

Clean-up: Carefully reseal opened containers and keep upright to prevent leakage. Place spilled material in an appropriate container for disposal. After skin contact, wash immediately with plenty of water.

7. HANDLING AND STORAGE

Handling: Keep away from ignition sources; no smoking. Use only in well-ventilated areas. Avoid ignition and heat sources and oxidisers. Do not spray on an open flame or other ignition source. Keep out of reach of children.

Storage: Avoid increased storage temperature. Keep away from heat, sparks, open flame and oxidising agents. Store in a cool, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ethyl alcohol: Safe Work Australia (Australia, 1/2014) – TWA 1,880 mg/m³ (8 hours); 1,000 ppm (8 hours), as cited in source.

(R)-p-mentha-1,8-diene: DFG MAC-values list (Germany, 7/2015), skin absorption and skin sensitiser noted. TWA 5 ppm (8 hours); PEAK 20 ppm, four times per shift, 15 minutes; TWA 28 mg/m³ (8 hours); PEAK 112 mg/m³, four times per shift, 15 minutes.

Monitoring: Personal, workplace atmosphere or biological monitoring may be required where ingredients have exposure limits. Refer to appropriate monitoring standards and national guidance.

Engineering controls: In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene: Do not eat, drink or smoke when using.

Eyes: Use approved safety eyewear where risk assessment indicates risk of splashes, mists or dusts; safety glasses with side-shields where contact is possible.

Hands: Chemical-resistant, impervious gloves complying with an approved standard where risk assessment indicates they are necessary. Check glove condition and manufacturer breakthrough information.

Respiratory/skin: Source lists chemical splash goggles and protective clothing under respiratory protection; select body PPE for task and risk. Use anti-static clothing where static ignition risk exists.

Environmental exposure controls: Check ventilation/process emissions against applicable environmental requirements; scrubbers, filters or process modifications may be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid (viscous liquid). **Colour:** Colourless to light yellow. **Odour:** Characteristic, fragrance-like.

Boiling point: 78.333°C. **Relative density:** 0.81–0.85. **Flash point:** Closed cup 13°C. **pH:** 6–9.

Aerosol: Spray. **Heat of combustion:** 7.637 kJ/g. **Flame duration:** Not available.

10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage and handling conditions.

Possibility of hazardous reactions: Not available in source.

Conditions to avoid: Direct sunlight, ignition and heat sources, oxidisers.

Materials to avoid: Oxidising materials.

Hazardous decomposition products: Products of combustion.

11. TOXICOLOGICAL INFORMATION

Acute effects: Inhalation of decomposition products may cause a health hazard; serious effects may be delayed. Source reports no known significant effects or critical hazards for ingestion, skin contact or eye contact.

Acute toxicity data: Ethyl alcohol – LC50 inhalation vapour 124,700 mg/m³ (4 hours); LD50 oral 7 g/kg. (R)-p-mentha-1,8-diene – LD50 dermal >5,000 mg/kg; LD50 oral 4,400 mg/kg.

Irritation/corrosion: Source lists ethyl alcohol eye irritation results from mild to severe and (R)-p-mentha-1,8-diene mild skin irritation at 10% over 24 hours.

Sensitisation, carcinogenicity, mutagenicity, teratogenicity and reproductive toxicity: Conclusions not available in source.

Over-exposure signs/symptoms: Inhalation – respiratory tract irritation and coughing. Eyes – irritation and redness. Ingestion and skin – no specific data.

Target organs: Source identifies blood, reproductive system, liver, upper respiratory tract, skin, eyes and central nervous system (CNS).

12. ECOLOGICAL INFORMATION

Source qualification: Data in this section are sourced from publicly available databases and are not represented as data collected by Zotos International or its affiliates.

Ecotoxicity: Source states no known significant effects or critical hazards. Aquatic toxicity values are ingredient data, not a product mixture determination.

Ethyl alcohol aquatic data: Source lists acute and chronic EC50, LC50 and NOEC values for algae, daphnia, crustaceans and fish, with exposure periods from 48 hours to 12 weeks.

(R)-p-mentha-1,8-diene aquatic data: Source lists acute EC50 values of 421 µg/L for Daphnia magna (48 hours) and 688 µg/L for Pimephales promelas (96 hours).

Persistence/degradability: Conclusion not available in source.

Bioaccumulative potential: Ethyl alcohol LogPow –0.35 (low); 1,1-difluoroethane LogPow 1.13 (low); (R)-p-mentha-1,8-diene LogPow 4.38, BCF 1022 (high).

Other adverse effects: No known significant effects or critical hazards stated in source.

13. DISPOSAL CONSIDERATIONS

Source method: Dispose of according to all federal, state and local applicable regulations.

Australian note: Disposal must be confirmed against applicable Australian Commonwealth, state/territory and local requirements. The source wording is not a product-specific Australian waste determination.

14. TRANSPORT INFORMATION

ADG (source data): UN1950, AEROSOLS, Class 2.1; Hazchem code 2YE; special provisions 63, 190, 277, 327.

ADR: UN1950, AEROSOLS, Class 2; limited quantity LQ2; special provisions 190, 327, 625; tunnel code (D).

IMDG: UN1950, AEROSOLS, Class 2.1; source identifies marine pollutant (ethanol) and notes mark not required for sizes ≤5 L or ≤5 kg; emergency schedules F-D, S-U; special provisions 63, 190, 277, 327, 959.

IATA: UN1950, Aerosols, flammable, Class 2.1; passenger/cargo aircraft 75 kg, PI 203; cargo aircraft only 150 kg, PI 203; limited quantities passenger aircraft 30 kg, PI Y203; special provision A145.

Important: These transport entries reproduce the 2023 source. Confirm against current ADG Code and applicable modal rules before use.

15. REGULATORY INFORMATION

Standard for the Uniform Scheduling of Medicines and Poisons: Not regulated (as stated in source).

Control of Scheduled Carcinogenic Substances: Heading present in source; no further detail provided.

Australia inventory (AICS): Source states ingredients not contained in AICS are below registration thresholds. Verify against current Australian industrial chemicals requirements before issue.

16. OTHER INFORMATION

Administrative reissue date: 9 November 2026. **Document version:** 4 (administrative update only).

Original source: Version 3, dated 5 June 2023.

Disclaimer: Source states the information is believed accurate to the best of the supplier's knowledge, but the supplier and subsidiaries assume no liability for accuracy or completeness. Final determination of suitability is the user's responsibility. Materials may present unknown hazards; described hazards may not be the only hazards.

Review status: This reissue updates administrative supplier details and date presentation only. It does not verify or update the underlying formulation, hazard classification, exposure standards, transport status or regulatory determinations. It must not be represented as a technically reviewed or fully current Australian-compliant SDS until those items are checked by a competent person.