

United Haircare  
2755 Hwy 55  
Saint Paul, Minnesota, 55121  
US

**PRODUCT: Aluram High Hold Finishing Spray - 284 g**

**CODE: AG-126340**

### SECTION 01: IDENTIFICATION

Manufacturer..... Empack Spraytech Inc.  
Product Item Numbers..... AG-126340  
Product Identity..... Aluram High Hold Finishing Spray - 284 g  
24 hour emergency telephone number..... CANUTEC: 1-613-996-6666.  
Recommended Use..... Finishing hairspray.

### SECTION 02: HAZARD IDENTIFICATION



Signal Word..... WARNING.

Hazard Classification:  
Physical Hazards..... Aerosols - Category 2. Gases Under Pressure - Liquefied Gas.  
Health Hazards..... Eye Irritation - Category 2A. Skin Sensitization - Category 1.

Label Elements:  
Hazard Statement..... H223:Flammable aerosol. H229:Pressurised container: may burst if heated (2).  
H280:Contains gas under pressure; may explode if heated (L). H319:Causes serious eye irritation. H317:May cause an allergic skin reaction.

Precautionary Statements:  
Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211:Do not spray on an open flame or other ignition source. P251:Do not pierce or burn, even after use. P264+P265: Wash hands thoroughly after handling. Do not touch eyes. P280:Wear eye protection/face protection. P280:Wear protective gloves. P261:Avoid breathing vapours/ spray. P272:Contaminated work clothing must not be allowed out of the workplace.

Response..... P305+P351+P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P317:If eye irritation persists: Get medical help. P302+P352:IF ON SKIN: Wash with plenty of water. P333+P317: If skin irritation or rash occurs: Get medical help. P362+P364:Take off contaminated clothing and wash it before reuse. P321:For specific treatment see section 4 on this SDS.

Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.  
P403:Store in a well ventilated place .

Disposal..... P501:Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

Hazard(s) not otherwise classified (HNOC) Use only as directed.

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
1,1-Difluoroethane	75-37-6	30-60
Ethyl alcohol	64-17-5	30-60
Isobutane	75-28-5	7-13
Fragrance	Mix	0.1-1

### SECTION 04: FIRST-AID MEASURES

Inhalation..... Move the person to fresh air. If symptoms persist, call a physician.  
Eye Contact..... Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs. Get medical attention if irritation persists.

Skin Contact..... Remove contaminated clothing. Launder clothing before reuse. Wash thoroughly with soap and lukewarm water.

Ingestion..... Do not induce vomiting, get medical attention. Rinse mouth. Obtain medical advice.  
Most important symptoms/effects, acute .. Direct eye contact may cause temporary eye irritation.  
and delayed

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Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**SECTION 05: FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media..... Dry chemical powder. Carbon dioxide. Foam, water spray or fog.  
 Unsuitable Extinguishing Media..... Do not use water jet as an extinguisher, as this will spread the fire.  
 Specific Hazards Arising from the Chemical Hazardous decomposition products formed under fire conditions - Carbon oxides, Hydrogen fluoride.  
 Special Protective Equipment and Precautions for Firefighters ..... Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do.  
 General Fire Hazards..... Flammable Aerosol.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective Equipment and Emergency Procedures Methods and Materials for Containment .. and Cleaning Up ..... Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Do not ingest. Avoid contact with eyes. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.  
 Environmental Precautions..... Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**SECTION 07: HANDLING AND STORAGE**

Precautions for Safe Handling..... Wash thoroughly after handling . Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Avoid contact with eyes. Avoid breathing vapours or spray mists of this product. Contents under pressure. Use with adequate ventilation. Keep away from heat, sparks, and open flames.  
 Conditions for Safe Storage including any Incompatibilities Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
1,1-Difluoroethane	Not available	Not available	Not available	Not available	Not available
Ethyl alcohol	Not established	1,000 ppm (15 minutes)	1,000 ppm	Not established	1,000 ppm
Isobutane	800 ppm	1000 ppm	800ppm	Not available	800 ppm (TWA)
Fragrance	Not established	Not established	Not established	Not established	Not established
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.				
Individual Protection Measures:					
Eye/Face Protection.....	Prevent eye contact, wear safety glasses in the event that eye contact is possible.				
Skin Protection.....	Not needed at normal use conditions.				
Respiratory Protection.....	Not required on a short-term basis or if exhaust ventilation is provided. Use approved NIOSH respirators for emergencies.				
Thermal Hazards.....	None Known.				
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.				

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State..... Aerosol.  
 Physical Appearance..... Spray mist.  
 Odour..... Fragrance.  
 Odour Threshold (ppm)..... Not available.

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pH..... Not applicable.  
 Vapour Pressure (psig)..... Not available.  
 Evaporation Rate (n-Butyl Acetate = 1)..... >1 .  
 Boiling Point liquid (°C)..... >100.  
 Melting / Freezing point (°C), liquid..... -115 approximately. (Ethanol).  
 VOC Content..... NMT 55.  
 Relative Density..... 0.7885. (Ethanol).  
 Solubility in water..... Soluble in water.  
 Auto Ignition Temperature (Propellant), °C 460°C (860°F). (Isobutane).  
 Flash Point (°C), Method..... -82.78. Closed cup. (Isobutane).  
 Lower Explosive Limit (% vol)..... 1.8. (Isobutane).  
 Upper Explosive Limit (% vol)..... 8.8. (Isobutane).  
 Note..... NMT = Not More Than.

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity ..... Product not reactive under normal conditions of use.  
 Chemical Stability..... Stable at normal temperatures and pressures.  
 Possibility of Hazardous Reactions..... Will not occur.  
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.  
 Incompatible Materials..... Avoid contacting with oxidizers.  
 Hazardous Decomposition Products..... Thermal decomposition and burning may produce carbon monoxide and carbon dioxide.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
1,1-Difluoroethane	176 mg/L (Rat - 4 hrs)	Not available
Ethyl alcohol	39 mg/L (Mouse - 4hrs)	7,060 mg/kg (Oral - Rat); 20,000 mg/kg (Dermal - Rabbit)
Isobutane	658 mg/L (Rat - 4 hrs)	Not available
Fragrance	No data	No data
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	Yes.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	Yes.	
Routes of entry - Skin Absorption.....	No.	
Symptoms Related to the Physical, .....	Irritant effects.	
Chemical and Toxicological Characteristics		
Acute Toxicity.....	No known significant effects.	
Skin Corrosion/Irritation.....	Based on available data, the classification criteria are not met.	
Serious Eye Damage/Eye Irritation.....	Causes serious eye irritation.	
Respiratory or Skin Sensitization.....	May cause an allergic skin reaction.	
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.	
Carcinogenicity.....	Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.	
Reproductive Toxicity.....	No information is available, and no adverse effects are expected.	
STOT - Single Exposure.....	Not classified.	
STOT - Repeated Exposure.....	Not classified.	
Aspiration Hazard.....	No data available .	
Chronic Effects.....	No long term chronic effects are known or anticipated.	

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity..... May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment. Ethyl alcohol (CAS#: 64-17-5): Toxicity to fish: LC50 14200 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 9300 mg/L, 48 hrs; Toxicity to algae: not available.  
 Persistence and degradability ..... The product itself has not been tested.  
 Bioaccumulation Potential..... The product itself has not been tested.  
 Mobility in Soil..... The product itself has not been tested.  
 Other Adverse Effects..... None Known.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations.

**SECTION 14: TRANSPORT INFORMATION**

TDG (Canada- Road)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty.  
 DOT (US-Road)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty., Consumer Commodity ORM-D.  
 IMDG (International- Marine)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty.  
 IATA (International- Air)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty.

**SECTION 15: REGULATORY INFORMATION**

Canada Regulations..... Refer to Section 2 for a WHMIS 2015 Classification for this product.  
 Domestic Substances List (DSL)..... All components are listed or exempted.  
 US Regulations  
 TSCA Inventory Status..... All components are either listed or exempt from the TSCA.

**SECTION 16: OTHER INFORMATION**

Disclaimer..... The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.

NFPA Storage Level..... Level 2.  
 Prepared by ..... Regulatory Affairs  
 Latest Revision ..... 2023-12-15