

MATERIAL/CHEMICAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Details

Product Name: Diamond Aerosol Spray

Allied Item No.: 90-173000 through 90-173025

Chemical Name: Diamond Aerosol

Company Identification

Allied High Tech Products, Inc.
2376 East Pacifica Place
Rancho Dominguez, CA 90220
(310) 635-2466

Contact Point

Transportation for United States
Chemtrec (800) 424-9300 * (202) 483-7616

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Exposure Limits in Air		Carcin. Y/N
		ACGIH TLV or TWA	OSHA PEL	
Denatured Alcohol 40-65%	Mixture	1000 ppm*	1000 ppm*	N
Hydrocarbon Propellant 35-50%	68-476-86-8	800 ppm	1000 ppm	
Isopropyl Alcohol 5-20%	67-63-0	400 ppm	400 ppm	

*These values are based on those for ethyl alcohol alone.

Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.

HMIS Ratings

Health: 2
Flammability: 4
Reactivity: 0

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: Extremely flammable. Contents under pressure. Do not puncture can.

Hazard Statement: Not listed as a carcinogen by IARC, NTP or OSHA.

Medical Restrictions: Repeated exposure to ethanol may aggravate liver injury produced from other causes.

SECTION 4: FIRST AID MEASURES

	Potential Health Effects	First Aid/ Medical Info.
Eye Contact:	May cause irritation and excess redness of the conjunctiva.	Flush with water for 15 minutes. Seek medical attention if irritation persists.
Skin Contact:	May cause minor irritation and drying.	Wash with soap and water.
Inhalation:	Possible irritation of the respiratory tract, nasal discomfort, chest pain, coughing, nausea, intoxication, dizziness and drowsiness.	Remove to fresh air. Administer artificial respiration or oxygen if necessary. Seek medical attention.
Ingestion:	May cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, euphoria, abdominal discomfort, nausea, vomiting, staggering gait, lack of coordination and coma.	If patient is conscious, give two glasses of water and induce vomiting. Seek medical attention immediately.

Note:

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Foam, carbon dioxide or dry chemical.

Fire Fighting Instruction: Wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus with full facepiece. Use water spray to cool fire-exposed containers. Use water spray to disperse vapors; re-ignition is possible.

Special Hazards: Vapor from this product may travel via air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources distant from the handling point. Vapors from this material may settle in low or confined areas and flash back explosively. May produce a floating fire hazard in extreme conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Eliminate ignition sources; wear suitable protection. If spill is large contain with absorbent material such as clay, soil or any commercially available absorbent. Transfer contaminated absorbent, soil and other materials into recovery or salvage drums for disposal. Flush with large amounts of water.

<p>SECTION 7: HANDLING & STORAGE</p>	<p>SECTION 12: ECOLOGICAL INFORMATION</p>
<p><u>Handling:</u> Wear appropriate protection. Areas of use should be designated non-smoking areas. Wash promptly after contact with material. Observe good housekeeping practices.</p> <p><u>Storage:</u> Store in a cool, dry place away from sparks or open flame.</p>	<p>No information available.</p>
<p>SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION</p>	<p>SECTION 13: DISPOSAL INFORMATION</p>
<p><u>Engineering Measures:</u> General ventilation is sufficient for storage and intermittent use; but local exhaust is recommended where vapor concentrations exceed lower limits of flammability or established exposure limits. Use explosion-proof electrical apparatus (group D).</p> <p><u>Respiratory Protection:</u> Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p><u>Protective Gloves:</u> Neoprene or PVC-coated gloves.</p> <p><u>Eye Protection:</u> Safety glasses or monogoggles.</p> <p><u>Other:</u> Eyewash and safety shower are recommended.</p>	<p>Discard material should be deposited in an approved landfill in accordance to Federal, State and Local regulations.</p> <p><u>RCRA Hazardous Waste:</u> This product contains methyl alcohol, ethyl acetate and methyl isobutyl ketone which are listed as hazardous wastes.</p>
<p>SECTION 9: PHYSICAL & CHEMICAL PROPERTIES</p>	<p>SECTION 14: TRANSPORT INFORMATION</p>
<p>Appearance: Gas-liquid mixture Odor: Astringent Solubility: Residual liquid completely soluble Boiling Point: 171°F (77°C) Residual liquid Melting Point: <-130°F (-90°C) Residual liquid Flash Point: -127°F (-88°C) Vapor Pressure: 48 mm/Hg @ 68°F (20°C) Vapor Density: 1.6-1.9 Evaporation Rate: 3.6 Residual liquid Specific Gravity: 0.70 Residual liquid Flammable Limits LEL: 1.8 (propellant); 3.3 (ethyl alcohol) Flammable Limits UEL: 9.5 (propellant); 19.0 (ethyl alcohol)</p>	<p><u>DOT Shipping Name:</u> Flammable gas</p> <p><u>DOT Hazard Class:</u> 2.1</p> <p><u>DOT Id Number:</u> UN1950</p>
<p>SECTION 10: STABILITY & REACTIVITY</p>	<p>SECTION 15: REGULATORY INFORMATION</p>
<p><u>Stability:</u> Stable</p> <p><u>Conditions to Avoid/Incompatibles:</u> Strong acids and strong inorganic acids.</p> <p><u>Decomposition Products:</u> Carbon monoxide and/or carbon dioxide.</p> <p><u>Hazardous Polymerization:</u> Will not occur.</p>	<p><u>SARA Title III:</u> Methyl alcohol, methyl isobutyl ketone; Section 313.</p> <p><u>Toxic Substance Control Act TSCA:</u> All ingredients are TSCA listed.</p> <p><u>CA Proposition 65:</u> Acetaldehyde and benzene <u>Florida:</u> Not listed <u>Massachusetts:</u> Acetaldehyde, ethyl alcohol, methyl alcohol, isopropyl alcohol, ethyl acetate and methyl isobutyl ketone.</p> <p><u>New Jersey/Pennsylvania:</u> Denatured alcohol, isopropyl alcohol.</p> <p><u>Canada WHMIS Hazard Class:</u> Not listed.</p>
<p>SECTION 11: TOXICOLOGICAL INFORMATION</p>	<p>SECTION 16: OTHER INFORMATION</p>
<p>This material is not listed as a carcinogen by IARC, NTP or OSHA.</p> <p>Mild alcohol intoxication occurs at blood levels between 0.05-0.15% and approximately 25% of individuals will show signs of intoxication at these levels. Above 0.15% the person is definitely under the influence of ethanol and 50-95% of individuals at these levels are clinically intoxicated. Severe poisoning occurs when the blood ethanol is 0.3-0.5%. Above 0.5% the individual will be comatose and death can occur.</p>	<p><u>Legend</u> NAIF: No Applicable Information Found NA: Not Available/Applicable NE: None Established</p> <p>DISCLAIMER: The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. ALLIED HIGH TECH PRODUCTS, INC. makes no warranty, either express or implied, as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer/distributor shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.</p>
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