



MATERIAL SAFETY DATA SHEET

SECTION 1 — IDENTIFICATION

Product identifier: AlbaChem® Embroidery Spray Adhesive
Product Number: 1076
Product Use: Aerosol. Adhesive

ALBATROSS USA INC./EXPERT WORLDWIDE

36-41 36th Street
Long Island City, New York
United States
11106
718-392-6272

5439 San Fernando Road West
Los Angeles, California
United States
90039
818-543-5850

Emergency Telephone #: Chemtrec (Day or Night) 800-424-9300
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

This MSDS complies with 29CFR 19190.1200 (Hazard Communication Standard) and WHMIS regulations.

IMPORTANT: Read this MSDS before handling and disposing of this product. Pass this information on to employees, customer, and users of this product.

SECTION 2 — HAZARDS IDENTIFICATION

Emergency Overview

Signal Word: DANGER
Hazard Statements: EXTREMELY FLAMMABLE AEROSOL. VAPOR HARMFUL. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. CONTENTS UNDER PRESSURE.
Potential Health Effects: See Section 11 for more detailed information on health effects and symptoms.
Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.
Eyes: Contact may cause eye irritation
Skin: May cause skin dryness and irritation.
Ingestion: Aspiration hazard if swallowed. An enter lungs and cause damage.
Inhalation: Harmful by inhalation. May cause irritation of respiratory tract, coughing, shortness of breath, chemical pneumonitis.
Chronic Effects: May cause target organ damage, based on animal data. Prolonged skin contact may cause dermatitis with drying and cracking of skin.
Medical Conditions Aggravated By Over-Exposure: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.
Target Organs: May cause damage to the following organs: gastrointestinal tract, upper respiratory tract, skin, eyes.

See toxicological information (Section 11).

(See Section 16 for abbreviation legend)

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS Number	%
Butane	106-97-8	15-40
Cyclohexane	110-82-7	10-30
Acetone	67-64-1	10-30
Propane	74-98-6	5-10

SECTION 4 — FIRST AID MEASURES

Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, get medical attention.
Skin Contact:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. If irritation persists, get medical attention.
Inhalation:	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband.
Ingestion:	Wash out mouth with water. Do not include vomiting unless directed to do so by medical personnel. Never give anything by mouth to unconscious person. Get medical attention immediately.
Notes to Physician:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5 — FIRE FIGHTING MEASURES

Flammability of the Product:	Extremely flammable. In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed.
Extinguishing Media	
Suitable:	Use an extinguishing agent suitable for the surrounding fire.
Not Suitable:	None known.
Hazardous Thermal Decomposition Products:	Decomposition products may include the following materials: Carbon Dioxide Carbon Monoxide
Special Protective Equipment for Fire-Fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure

mode.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for Cleaning Up:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

SECTION 7 — HANDLING AND STORAGE

- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50° C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Empty containers retain product residue and can be hazardous.
- Storage:** Do not store above the following temperature: 48.889° C (120° F). Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Use appropriate containment to avoid environmental contamination.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT	EXPOSURE LIMITS
Butane	<p>OSHA PEL 1989 (United States, 3/1989) TWA: 800 ppm 8 hour(s) TWA: 1900 mg/m³ 8 hour(s)</p> <p>NIOSH REL (United States, 6/2009) TWA: 800 ppm 10 hour(s) TWA: 1900 mg/m³ 10 hour(s)</p> <p>ACGIH TLV (United States, 2/2010) TWA: 1000 ppm 8 hour(s)</p>
Cyclohexane	<p>ACGIH TLV (United States, 2/2010) TWA: 100 ppm 8 hour(s)</p> <p>OSHA PEL 1989 (United States, 3/1989) TWA: 300 ppm 8 hour(s) TWA: 1050 ppm mg/m³ 8 hour(s)</p> <p>NIOSH REL (United States, 6/2009) TWA: 300 ppm 10 hour(s) TWA: 1050 mg/m³ 10 hour(s)</p> <p>OSHA PEL (United States, 6/2010) TWA: 300 ppm 8 hour(s) TWA: 1050 mg/m³ 8 hour(s)</p>
Acetone	<p>ACGIH TLV (United States, 2/2010) TWA: 500 ppm 8 hour(s) TWA: 1188 mg/m³ hour(s) STEL: 750 ppm 15 minute(s) STEL: 1782 mg/m³ 15 minute(s)</p> <p>OSHA PEL 1989 (United States, 3/1989) TWA: 750 ppm 8 hour(s) TWA: 1800 mg/m³ hour(s) STEL: 1000 ppm 15 minute(s) STEL: 1782 mg/m³ 15 minute(s)</p> <p>NIOSH REL (United States, 6/2009) TWA: 250 ppm 10 hour(s) TWA: 590 mg/m³ 10 hour(s)</p> <p>OSHA PEL (United States, 6/2010) TWA: 1000 ppm 8 hour(s) TWA: 2400 ppm 8 hour(s)</p>
Propane	<p>OSHA PEL 1989 (United States, 3/1989) TWA: 1000 ppm 8 hour(s) TWA: 1800 mg/m³ 8 hour(s)</p> <p>NIOSH REL (United States, 6/2009) TWA: 1000 ppm 10 hour(s) TWA: 1800 mg/m³ 10 hour(s)</p> <p>OSHA PEL (United States, 6/2010) TWA: 1000 ppm 8 hour(s) TWA: 1800 mg/m³ 8 hour(s)</p> <p>ACGIH TLV (United States, 2/2010) TWA: 1000 ppm 8 hour(s)</p>

Engineering Measures:

Use only with adequate ventilation. Use process enclosures, local exhaust

ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

HMIS: Section 15

PERSONAL PROTECTION

Eyes:

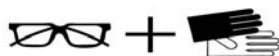
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: Safety glasses.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: gloves.

Respiratory:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Personal Protective Equipment:



SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol product contains gas under pressure.	
Color:	Opaque. White.	
Relative Density:	0.814	
Solubility:	Insoluble in the following materials: cold water and hot water.	
VOC (Consumer):	65% (w/w)	4.42 lbs/gal (529.1 g/l)

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability:	The product is stable.
Conditions to Avoid:	Do not expose to heat or store at temperatures above 120° F.
Incompatible Materials:	No specific data.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possibility of Hazardous:	Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity

Product/Ingredient Name	Result	Species	Dose	Exposure
Acetone	LD50 Oral	Rat	5800 mg/kg	-
Cyclohexane	LD50 Oral	Rat	>5000 mg/kg	-
Butane	LC50 Inhalation Vapor	Rat	658000 mg/m ³	4 hours

Chronic Toxicity

Carcinogenicity

SECTION 12 — ECOLOGICAL INFORMATION**Ecotoxicity:** Not determined.**Aquatic Ecotoxicity**


Product/Ingredient Name	Result	Species	Exposure
Acetone	Acute EC50 5600000 to 10000000 ug/L Fresh Water	Algae – Selenastrum sp	72 hours
	Acute EC50 20.565 mg/L Marine water	Algae – Ulva pertusa	96 hours
	Acute LC50 6000000 ug/L Fresh water	Crustaceans – Gammarus pulex	48 hours
	Acute LC50 10000 ug/L Fresh water	Daphnia – Daphnia magna	48 hours
	Acute LC50 >100000 ug/L Fresh water	Fish – Pimephales promelas – Juvenile (Fledgling, Hatchling, Weanling) – 0.2 to 0.5 g	96 hours
	Chronic NOEC 0.1 ml/L Fresh water	Daphnia – Daphnia magna – Neonate – 6 to 24 hours	21 days
Cyclohexane	Acute LC50 4530 ug/L Fresh water	Fish – Pimephales proelas – 30 Days – 20.5 mm – 0.119 g.	96 hours

SECTION 13 — DISPOSAL CONSIDERATIONS**Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

SECTION 14 — TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label	Additional Information
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DOT Classification	Not Available	Consumer commodity Limited quantity	ORM-D	-		-
IMDG Class	UN1950	AEROSOLS, Flammable	2.1	-		-

PG*: Packing group

SECTION 15 — REGULATORY INFORMATION

United States

SARA Title III: **SARA 302/304/311/312 hazardous chemicals:** Butane; propane; cyclohexane; acetone
SARA 302/304/311/312 extremely hazardous substances: No products were found.

US INVENTORY (TSCA): All components are listed or exempted.

WARNING: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Hazardous Material Information System (U.S.A.):

Health 2 **Flammability** 3 **Reactivity** 0

National Fire Protection Association (U.S.A.):

Health 2 **Flammability** 3 **Instability/Reactivity** 0 **Special**

Canada

WHMIS (Classification): Not determined

WHMIS (Pictograms):

CANADA INVENTORY (DSL): Not determined.

SECTION 16 — OTHER INFORMATION

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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