



MATERIAL SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier: AlbaChem® Fabric Seal

Product Number: 1074

Date Prepared: January 25, 2010

Manufacturer's name and address: Refer to supplier

Supplier name and address:

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, customers, and users of this product..

SECTION 2 — HAZARDS IDENTIFICATION

Emergency overview: EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. Aerosol. Will be easily ignited by heat, spark or flames. Cancer hazard. Irritating to skin. Irritating to eyes. Irritating to respiratory system. Prolonged exposure may cause chronic effects.

Potential health effects:

Routes of exposure: Skin contact. Ingestion. Inhalation.

Eyes Causes eye irritation.

Skin Irritating to skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Irritating to respiratory system. Prolonged inhalation may be harmful.

Ingestion Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

Target organs: Kidney. Central Nervous System. Liver. Lungs.

Chronic effects: Liver injury may occur. Kidney injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage. Prolonged skin contact may defat the skin and produce dermatitis.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Trichloroethylene	79-01-6	20 – 30
Propane	74-98-6	10 – 15
VM&P Naphtha	8032-32-4	10 – 15
Acetone	67-64-1	10 – 15
n-Butane	67-64-1	10 – 15
Light Aliphatic Solvent Naphtha	64742-89-8	8 – 10
Odorless Mineral Spirits	64742-48-9	3 – 5
Xylene	1330-20-7	1 – 3
Ethyl Alcohol	64-17-5	0.1 – 0.5
Ethyl Benzene	100-41-4	0.1 – 0.5
Non-hazardous and other components below reportable levels		10 - 20

SECTION 4 — FIRST AID MEASURES

First aid procedures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.
Skin contact	Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. Get medical attention if irritation develops or persists. For minor skin contact, avoid spreading material on unaffected skin.
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician if symptoms develop or persist.
Ingestion	If material is ingested, immediately contact a poison control center. Have victim rinse mouth thoroughly with water. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable properties Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

Extinguishing media

Suitable extinguishing media Alcohol foam. Dry chemical. Carbon dioxide (CO₂). Do not use water jet

Protection of firefighters

Specific hazards arising from the chemical Fire may produce irritating, corrosive and/or toxic gases.
Protective equipment and precautions for firefighters In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapour pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Methods for containment: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas:

Methods for cleaning up: Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. **Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

SECTION 7 — HANDLING AND STORAGE

HANDLING: Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Wear personal protective equipment. Avoid prolong exposure.

STORAGE: Level 2 Aerosol. Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

ACGIH

Components	CAS #	TWA	STEL	Ceiling
Trichloroethylene	79-01-6	10 ppm	25 ppm	Not established
Propane	74-98-6	1000 ppm	Not established	Not established
VM&P Naphtha	8032-32-4	300 ppm	Not established	Not established
Acetone	67-64-1	500 ppm	750 ppm	Not established
n-Butane	67-64-1	1000 ppm	Not established	Not established
Xylene	1330-20-7	100 ppm	150 ppm	Not established
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm	Not established
Ethyl Benzene	100-41-4	100 ppm	125 ppm	Not established

OSHA

Components	CAS #	TWA	STEL	Ceiling
Trichloroethylene	79-01-6	100 ppm	Not established	200 ppm
Propane	74-98-6	1000 ppm	Not established	Not established
Acetone	67-64-1	1000 ppm	Not established	Not established
Xylene	1330-20-7	100 ppm	Not established	Not established
Ethyl Alcohol	64-17-5	1000 ppm	Not established	Not established
Ethyl Benzene	100-41-4	100 ppm	Not established	Not established

Personal protective equipment

Eye / face protection	Wear chemical goggles.
Skin protection	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.
Respiratory protection	Wear positive pressure self-contained breathing apparatus (SCBA). If permissible levels are exceeded use NIOSH mechanical filter / organic vapour cartridge or an air-supplied respirator.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Compressed liquefied gas.	FORM:	Aerosol
BOILING RANGE:	113° F (45°C) estimated.	pH:	Not applicable
COLOR:	Clear	PHYSICAL STATE:	Liquid
ODOR:	Solvent	SOLUBILITY:	Partially
SPECIFIC GRAVITY:	0.7831 estimated	PRESSURE:	55 – 75 psig @ 70°F
FLASH POINT	-156°F (-104.4°C) Propellant	FLASH BACK:	Yes
FLAMMABILITY (HOC):	29.6273 Kj/G estimated		

SECTION 10 — STABILITY AND REACTIVITY

Chemical stability	Risk of ignition.
Conditions to avoid	Heat, flames and sparks
Hazardous decomposition products	Irritants. Toxic gas. May include oxides of nitrogen

SECTION 11 — TOXICOLOGICAL PROPERTIES

Acute effects: Acute LD50: 14075 mg/kg estimated, Rat, Dermal

Component analysis – LD50

Toxicology Data – Selected LD50s and LC50s

Acetone	67-64-1	Oral LD50 Rat 5800 mg/kg
Ethyl Alcohol	64-17-5	Oral LD50 Rat 7060 mg/kg
Ethyl Benzene	100-41-4	Inhalation LC50 Rat 17.2 mg/L 4 h; Oral LD50 Rat 3500 mg/kg; Dermal LD50 Rabbit 15354 mg/kg
Light Aliphatic Solvent Naphtha	64742-89-8	Oral LD50 Mouse 5000 mg/kg; Dermal LD50 Rabbit 3000 mg/kg
n-Butane	106-97-8	Inhalation LC50 Rat 658 mg/L 4 h
Odorless Mineral Spirits	64742-48-9	Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >3160 mg/kg
Propane	74-98-6	Inhalation LC50 Rat 658 mg/L 4 h
Trichloroethylene	79-01-6	Inhalation LC50 Rat 8000 ppm 4 h; Inhalation LC50 Rat 26300 ppm 1 h; Oral LD50 Rat 4290 mg/kg; Dermal LD50 Rabbit > 20g/kg
Xylene	1330-20-7	Inhalation LC50 Rat 5000 ppm 4 h; Inhalation LC50 Rat 47635 mg/L 4 h; Oral LD50 Rat 4300 mg/kg; Dermal LD50 Rabbit > 1700 mg/kg

Sensitization Not expected to be hazardous by OSHA criteria.

Carcinogenicity Hazardous by OSHA criteria.

IARC – Group 1 (Carcinogenic to Humans)

Ethyl Alcohol 64-17-5 Monograph 96 (in preparation) (in alcoholic beverages)

IARC – Group 2A (Probably Carcinogenic to Humans)

Trichloroethylene 79-01-6 Monograph 63 (1995); Supplement 7 (1987)

IARC – Group 2B (Possibly Carcinogenic to Humans)

Ethyl Benzene 100-41-4 Monograph 77 (2000)

Reproductive effects: Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

Teratogenicity Noted expect to be hazardous by OSHA criteria. Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity Components of this product are hazardous to aquatic life.
 LC50 151 MG/l, Fish, 96.00 Hours.
 EC50 9.67 mg/L, Daphnia, 48.00 Hours,
 IC50 2091 mg/L, Algae, 72.00 Hours.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste codes D001: Waste Flammable material with a flash point <140 F

D040: Waste Trichloroethylene

Disposal instructions Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container at hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

SECTION 14 — TRANSPORTATION INFORMATION

GROUND TRANSPORTATION: (Continental United States, Canada & Mexico): Consumer Commodity ORM-D

OCEAN: UN 1950 Class 2.1 Flammable Gas, Limited Quantity

AIR: We do NOT recommend this product to be shipped via air. It would need to be repacked by an authorized packing company and the DG would have to be completed by a hazardous material shipping company.

SECTION 15 — REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: This product is a hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. – CERCLA/SARA – Section 313 Emission Reporting

Ethyl Benzene	100-41-4	0.1 % de minimis concentration
Trichloroethylene	79-01-6	0.1 % de minimis concentration
Xylene	1330-20-7	1.0 % de minimis concentration

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical: Yes

CERCLA (Superfund) reportable quantity

Trichloroethylene:	100.0000
Acetone:	5000.0000
Xylene:	100.0000
Ethyl Benzene:	1000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories:

- Immediate Hazard – Yes
- Delayed Hazard - Yes
- Fire Hazard – Yes
- Pressure Hazard – Yes
- Reactivity Hazard – No

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical: Yes

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

State regulations:

WARNING: This product contains a chemical known to the State of California to cause cancer.

U.S. – Pennsylvania – RTK (Right to Know) List

Trichloroethylene	79-01-6	Environmental Hazard
Propane	74-98-6	Present
VM&P Naphtha	8032-32-4	Present
Acetone	67-64-1	Environmental Hazard
n-Butane	67-64-1	Present
Light Aliphatic Solvent Naphtha	64742-89-8	Present
Odorless Mineral Spirits	64742-48-9	Present
Xylene	1330-20-7	Environmental Hazard
Ethyl Alcohol	64-17-5	Present

SECTION 16 — OTHER INFORMATION

HMIS RATING: HEALTH – 2* FLAMMABILITY - 3 PHYSICAL HAZARD - 0

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Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

Prepared by: Regulatory Compliance.