



# MATERIAL SAFETY DATA SHEET

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product identifier:** AlbaChem® Fabric Seal

**Product Number:** 1074

**Date Prepared:** August 28, 2015

**Recommended use:** ADHESIVE

**Recommended restrictions:** None known

**Manufacturer's name and address:** Refer to supplier

**Supplier name and address:**

### ***ALBATROSS USA INC./EXPERT WORLDWIDE***

36-41 36<sup>th</sup> 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

<b>Physical hazards:</b>	Flammable aerosols	Category 1
<b>Health hazards:</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1
<b>Environmental Hazards:</b>	Not classified	
<b>OSHA defined Hazards:</b>	Not classified	

**Label elements:**



**Signal word** Danger

**Hazard statement** Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other or other ignition source. Pressurized container. Do not pierce or burn, even after use. Avoid breathing gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated ara. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment (see this label). Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Storage** Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

None known.

**Supplemental Information**

None

## SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

**Mixtures**

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS number</u>	<u>%</u>
Solvent naphtha (petroleum), aliph.		64742-89-8	20 – 30
Trichloroethylene		79-01-6	20 – 40
Acetone		67-64-1	10 – 20
Butane		106-97-8	10 – 20
Propane		74-98-6	10 – 20
Xylene		1330-20-7	1 – 2.5
1,2-Butylene Oxide		106-88-7	0.1 – 1
Isobutyl Methacrylate		97-86-9	0.1 – 1
n-Heptane		142-82-5	0.1 – 1
Octane		111-65-9	0.1 – 1
Toluene		108-88-3	0.1 – 1

Other components below reportable levels

10 - 20

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## SECTION 4 — FIRST AID MEASURES

### First aid procedures:

<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops or persists.
<b>Skin contact</b>	Wash off with water and soap. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

## SECTION 5 — FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Powder. Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from this chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
<b>General fire hazards</b>	Extremely flammable aerosol.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of SDS.
<b>Environmental precautions</b>	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## SECTION 7 — HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do no re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Level 2 Aerosol. Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Acetone (CAS 67-64-1)	PEL	2400 mg/m <sup>3</sup>
		1000 ppm
n-Heptane (CAS 142-82-5)	PEL	2000 mg/m <sup>3</sup>
		500 ppm
Octane (CAS 111-65-9)	PEL	2350 mg/m <sup>3</sup>
		500 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m <sup>3</sup>
		1000 ppm
Xylene (CAS 1330-20-7)	PEL	435 mg/m <sup>3</sup>
		100 ppm

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm
Trichloroethylene (CAS 79-01-6)	Ceiling	200 ppm
	TWA	100 ppm

**ACGIH**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Solvent naphtha (petroleum), light aliph. (CAS 64742-89-8)	TWA	400 ppm

**US. ACGIH Threshold Limit Values**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Acetone (CAS 67-64-1)	STEL	750 ppm
	TWA	500 ppm
Butane (CAS 106-97-8)	STEL	1000 ppm
	TWA	400 ppm
n-Heptane (CAS 142-82-5)	STEL	500 ppm
	TWA	400 ppm
Octane (CAS 111-65-9)	TWA	300 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm
Trichloroethylene (CAS 79-01-6)	STEL	25 ppm
	TWA	10 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Acetone (CAS 67-64-1)	TWA	590 mg/m <sup>3</sup>
		250 ppm
Butane (CAS 106-97-8)	TWA	1900 mg/m <sup>3</sup>
		800 ppm
n-Heptane (CAS 142-82-5)	Ceiling	1800 mg/m <sup>3</sup>
		440 ppm
		350 mg/m <sup>3</sup>
Octane (CAS 111-65-9)	Ceiling	85 ppm
		1800 mg/m <sup>3</sup>
		385 ppm
Propane (CAS 74-98-6)	TWA	350 mg/m <sup>3</sup>
		75 ppm
		1800 mg/m <sup>3</sup>
Toluene (CAS 108-88-3)	STEL	1000 ppm
		560 mg/m <sup>3</sup>
		150 ppm
Trichloroethylene (CAS 79-01-6)	TWA	375 mg/m <sup>3</sup>
		100 ppm
		25 ppm

**US. Workplace Environmental Exposure Level (WEEL) Guides**

<b>Components</b>	<b>Type</b>	<b>Value</b>
1,2-Butylene Oxide (CAS 106-88-7)	TWA	5.9 mg/m <sup>3</sup>
		2 ppm

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	50 mg/l	Acetone	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*
Trichloroethylene (CAS 79-01-6)	15 mg/l	Trichloroacetic acid	Urine	*
	0.5 mg/l	Trichloroethano l, without hydrolysis	Blood	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric Acids	Creatine in urine	*

\* - For sampling details, please see the source document.

**Exposure guidelines****US – California OELs: Skin designation**

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

**US – Minnesota Haz Subs: Skin designation applies**

Toluene (CAS 108-88-3)

Skin designation applies.

**Appropriate engineering controls**

Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Hand protection**

Wear appropriate chemical resistant gloves.

**Skin protection****Other**

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Skin Protection****Respiratory protection**

If permissible levels are exceeded use NIOSH mechanical filter/organic vapour cartridge or an air-supplied respirator.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

When using do not 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 to remove contaminants.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Clear	<b>FORM:</b>	Aerosol
<b>INITIAL BOILING POINT AND BOILING RANGE:</b>	Not available	<b>pH:</b>	Not available
<b>COLOR:</b>	Colorless	<b>PHYSICAL STATE:</b>	Gas
<b>ODOR:</b>	Not available	<b>SOLUBILITY:</b>	Partially
<b>SPECIFIC GRAVITY:</b>	0.7831 estimated	<b>PRESSURE:</b>	55 – 75 psig @ 70°F
<b>FLASH POINT</b>	-156.0°F (-104.4°C) Propellant est.	<b>FLASH BACK:</b>	Yes
<b>FLAMMABILITY (Solid,Gas):</b>	Not available	<b>ODOR THRESHOLD:</b>	Not available
<b>EVAPORATION RATE:</b>	Not available		

## SECTION 10 — STABILITY AND REACTIVITY

<b>Chemical stability</b>	Risk of ignition.
<b>Conditions to avoid</b>	Heat, flames and sparks
<b>Hazardous decomposition products</b>	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 expected 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
Korea	Existing chemicals list (ECL)	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	106-97-8	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	
Ethyl Benzene	100-41-4		Environmental Hazard

## 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.