



MATERIAL SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier: AlbaChem® Fabric Seal

Product Number: 1074

Date Prepared: October 5, 2016

Recommended use: ADHESIVE

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

Classification:

Specific Target Organ Toxicity – Single Exposure (Narcotic Effects) – Category 3
Skin irritation - Category 2
Eye irritation - Category 2A
Aerosols – Category 1
Acute toxicity Dermal – Category 4
Acute toxicity oral - Category 4

Pictograms:



Signal word: Danger

Hazard Statement – Physical:

H222 – Extremely flammable aerosol
H229 – Pressurised container: May burst if heated
H280 – Contains gas under pressure; may explode if heated

Hazard Statement – Health:

- H336 - May cause drowsiness or dizziness
- H315 – Causes skin irritation
- H319 – Causes serious eye irritation
- H302 – Harmful if swallowed
- H312 – Harmful in contact with skin

Precautionary Statements – General:

- P101 – If medical advice is needed, have product container or label at hand
- P102 – Keep out of reach of children
- P103 – Read label before use

Precautionary Statements – Prevention:

- P261 – Avoid breathing dust/fume/gas/mist/vapors/spray
- P271 – Use only outdoors or in a well-ventilated area
- P233 – Keep container tightly closed
- P264 – Wash thoroughly after handling
- P280 – Wear protective gloves/protective clothing/eye protection/face protection
- 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
- P270 – Do not eat, drink or smoke when using this product

Precautionary Statements – Response:

- P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P312 – Call a POISON CENTER/doctor if you feel unwell
- P302 + P352 – IF ON SKIN: Wash with plenty of water
- P321 – For specific treatment see section 4
- P332 + P313 – If skin irritation occurs; Get medical advice/attention
- P362 + P364 – Take off contaminated clothing and wash it before reuse
- 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 + P313 – If eye irritation persists get medical advice/attention
- P301 + P312 – IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell
- P330 – Rinse mouth

Precautionary Statements – Storage:

- P403 + P405 – Store in a well-ventilated place. Store locked up.
- P410 + P412 – Protect from sunlight; do not expose to temperatures exceeding 50° C/122° F
- P410 + P403 – Protect from sunlight. Store in a well-ventilated place

Precautionary Statements – Disposal:

P501 – Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Acute toxicity of 11.58% of the mixture is unknown

| |
|---|
| SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS |
|---|

Mixtures

| CAS | Chemical Name | % By Weight |
|---------------|---------------------------------------|-------------|
| 0000079-20-9 | METHYL ACETATE | 35% - 58% |
| 0068476-86-8 | Petroleum gases, liquefied, sweetened | 15% - 25% |
| 0034590-94-8 | DIPROPYLENE GLYCOL MONOMETHYL ETHER | 6% - 13% |
| NA_ | PROPRIETARY INGREDIENTS | 3% - 7% |
| 0000111-76-2 | ETHYLENE GLYCOL MONOBUTYL ETHER | 3% - 6% |
| NA_ERAEenviro | Non Hazardous Solid | 2% - 4% |
| NA_ | Acrylic Polymer(s) | 1.4% - 3% |

SECTION 4 — FIRST AID MEASURES

Inhalation:

Remove source of exposure or move person to fresh air and keep comfortable for breathing

If exposed/feel unwell/concerned call a POISON CENTER/doctor

Eliminate all ignition sources if safe to do so

Skin Contact:

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs; get medical advice/attention. Wash contaminated clothing before re-use.

IF exposed or concerned; get medical advice/attention.

Eye contact:

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists; get medical advice/attention

Ingestion:

Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Do not give anything

SECTION 5 — FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Dry Chemical, foam, carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

Do not direct a solid stream of water or foam into hot, burning pools this may result in frothing and increase fire intensity.

Unsuitable Extinguishing Media:

No data available

Specific Hazards in Case of Fire:

Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Product is highly flammable and forms

explosive mixtures with air, oxygen, and all oxidizing agents. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a build up of internal pressures. Cool with water.

DO NOT cut, drill, grind, or weld near full, partially full, or empty product containers.

Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors.

Fire-Fighting Procedures:

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Special Protective Actions:

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated

Recommended Equipment:

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions:

Avoid breathing vapour, avoid contact with skin, eye or clothing, ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area), do not touch damaged containers of spilled materials unless wearing appropriate protective clothing.

Environmental Precautions:

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning Up:

Cover spills with inert absorbent and place in closed chemical waste containers

SECTION 7 — HANDLING AND STORAGE

General:

Wash hands after use
Do not get in eyes, on skin or on clothing
Do not breathe vapors or mists

Use good personal hygiene practices
 Eating, drinking and smoking in work areas is prohibited
 Remove contaminated clothing and protective equipment before entering eating areas

Eyewash stations and showers should be available in areas where this material is used and stored

Ventilation Requirements:

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source

Storage Room Requirements:

Keep container(s) tightly closed and properly labelled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressureize containers to empty them.

Store at temperatures below 120°F

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield

Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

Appropriate Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value

| Chemical Name | OSHA | OSHA | OSHA | OSHA | OSHA | OSHA Carcinogen | OSHA | NIOSH | NIOSH | NIOSH | NIOSH | |
|--|--------------|----------------|---------------|-----------------|------------------------|--------------------|---------------------|--------------|----------------|---------------|-----------------|---------------------|
| | TWA (ppm) | TWA (mg/m3) | STEL (ppm) | STEL (mg/m3) | Tables (Z1, Z2, Z3) | | Skin designation | TWA (ppm) | TWA (mg/m3) | STEL (ppm) | STEL (mg/m3) | NIOSH Carcinogen |
| DIPROPYLENE GLYCOL MONOMETHYL ETHER | 100 | 600 | | | 1 | | 1 | 100 | 600 | 150 | 900 | |

| | | | | | | | | |
|--|-----|------|---|---|-----|-----|-----|-----|
| ETHYLENE GLYCOL MONOBUTYL ETHER | 50 | 240 | 1 | 1 | 5 | 24 | | |
| METHYL ACETATE | 200 | 610 | 1 | | 200 | 610 | 250 | 760 |
| Petroleum gases, Liquefied, sweetened | 500 | 2000 | 1 | | | | | |

| Chemical Name | ACGIH TWA (ppm) | ACGIH TWA (mg/m3) | ACGIH STEL (ppm) | ACGIH STEL (mg/m3) |
|--|-----------------------|-------------------------|------------------------|--------------------------|
| DIPROPYLENE GLYCOL MONOMETHYL ETHER | 100 | 606 | 150 | 909 |
| ETHYLENE GLYCOL MONOBUTYL ETHER | 20 | 97 | | |
| METHYL ACETATE | 200 | 606 | 250 | 757 |
| Petroleum gases, Liquefied, sweetened | | | | |

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties:

| | |
|----------------------------------|----------------|
| Density | 6.91759 lb/gal |
| Density VOC | 2.64177 lb/gal |
| VOC Actual | 316.56387 g/l |
| VOC Actual | 2.64177 lb/gal |
| Density VOC Less H2O and Exempts | 0.00000 lb/gal |
| Density VOC Less H2O and Exempts | 0.00000kg/l |
| % VOC | 38.18922% |

| | |
|--------------------------------|-----------------|
| Appearance | Clear Liquid |
| Odor Threshold | N.A. |
| Odor Description | Pungent Solvent |
| pH | N.A. |
| Flammability | N.A. |
| Water Solubility | N.A. |
| Flash Point Symbol | N.A. |
| Flash Point | N.A. |
| Viscosity | N.A. |
| Lower Explosion Level | N.A. |
| Upper Explosion Level | N.A. |
| Vapor Pressure | N.A. |
| Vapor Density | N.A. |
| Freezing Point | N.A. |
| Melting Point | N.A. |
| Low Boiling Point | N.A. |
| High Boiling Point | N.A. |
| Auto Ignition Temp | N.A. |
| Evaporation Rate | N.A. |
| VOC Composite Partial Pressure | N.A. |

SECTION 10 — STABILITY AND REACTIVITY**Stability:**

Material is stable at standard temperature and pressure

Conditions to Avoid:

Keep away from direct sunlight and other sources of ignition
Dropping containers may cause bursting

Hazardous Reactions/Polymerization:

Will not occur

Incompatible Materials:

Avoid strong oxidizers, reducers, acids, and alkalis

Hazardous Decomposition Products:

No data available

SECTION 11 — TOXICOLOGICAL PROPERTIES**Skin Corrosion/Irritation:**

Prolonged or repeated contact with this product may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin.
Causes skin irritation

Serious Eye Damage/Irritation:

Eye contact may lead to permanent damage if not treated promptly
Liquid or vapors may irritate the eyes
Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Eye contact may lead to permanent damage if not treated promptly
Causes serious eye irritation

Respiratory/Skin Sensitization:

No Data Available

Germ Cell Mutagenicity:

No Data Available

Carcinogenicity:

No Data Available

Reproductive Toxicity:

No Data Available

Specific Target Organ Toxicity – Single Exposure:

May cause drowsiness or dizziness

Specific Target Organ Toxicity – Repeated Exposure:

Prolonged exposure may cause damage to her central nervous system, lungs, skin and eyes

Aspiration Hazard:

No Data Available

Acute Toxicity:

If inhaled, may cause dizziness, nausea, upper respiratory irritation, drowsiness, mental depression or narcosis, difficulty in breathing, irregular heart beats

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER
 LC50 (female rat): 450 ppm (4-hour exposure) (2)
 LC50 (male rat): 486 ppm (4-hour exposure) (2)

 LD50 (oral, male weanling rat): 3000 mg/kg (1)
 LD50 (oral, 6-week old male rat): 2400 mg/kg (1)
 LD50 (oral, yearling male rat): 560 mg/kg (1)
 LD50 (oral, female rat): 530 mg/kg; 2500 mg/kg (1) LD50 (oral, make mouse): 1230 mg/kg (1)
 LD50 (oral, rabbit): 320 mg/kg (1)
 LD50 9dermal, male rabbit): 406 mg/kg (cited as 0.45 mL/kg) (1)

0000079-20-9 METHYL ACETATE
 LC50 (rat): 16000-32000 ppm (4-hour exposure) (9)

 LD50 (oral, rat): greater than 5000 mg/kg (4)
 LD50 (oral, rabbit): 3700 mg/kg (cited as 50 millimols/kg) (10)
 LD50 (skin, rabbit): greater than 5000 mg/kg (4)

0034590-94-8 DIPROPYLENE GLYCOL MONOMETHYL ETHER
 LD50 (oral, rat): 5.22 g/kg (reported as 5.50 mL/kg) (male rat); 5.18 g/kg (reported as 5.45 mL/kg) (female rat) (3)
 LD50 (oral, dog): 7.13 g/kg (reported as 7.5 mL/kg) (3) NOTE: In the study with rats, death was due to narcosis (central nervous sys)

Potential Health Effects – Miscellaneous

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHEL
 Can be absorbed through the skin in harmful amounts. May cause injury to the kidney, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother

SECTION 12 — ECOLOGICAL INFORMATION

Toxicity:

No Data Available

Persistence and Degradability:

No Data Available

Bio-accumulative Potential:

No Data available

Mobility in Soil:

No Data Available

Other Adverse Effects:

No Data Available

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal:

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze,

weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14 — TRANSPORTATION INFORMATION

U.S. DOT Information:

Ground Transportation: (Continental United States, Canada & Mexico): Limited Quantity

IMDG Information:

Shipping Name: Aerosols, flammable

UN/NA #: 1950

Hazards Class: 2.1

Required Placard: Limited Quantity

Marine Pollutant: No Data Available

IATA:

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

| CAS | Chemical Name | % By Weight | Regulation List |
|--------------|--|-------------|---|
| 0000079-20-9 | METHYL ACETATE | 35% - 58% | DSL, SARA312, VOC_exempt, TSCA |
| 0068476-86-8 | Petroleum gases, liquefied, Sweetened | 15% - 25% | DSL, SARA312, VOC, TSCA |
| 0034590-94-8 | DIPROPYLENE GLYCOL | 6% - 13% | DSL, SARA312, VOC,TSCA |
| 0000111-76-2 | ETHYLENE GLYCOL | 3% - 6% | Canada_NPRI,DSL,CERCLA, SARA312,SARA313,VOC,TSCA |
| NA_ERAE | Enviro Non Hazardous Solid | 2% - 4% | SARA312 |

SECTION 16 — OTHER INFORMATION

Glossary:

ACGIH – American Conference of governmental industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS – Chemical Abstract Service; Chemtrec – Chemical Transportation Emergency Center (US); CHIP – Chemical Hazard Information and Packaging; DSL – Domestic Substances List; EC – Equivalent Concentration; EH40 (UK) – HSE Guidance note EH40 Occupational Exposure Limits; EPCRA – Emergency Planning and Community Right-To- Know Act; ESL – Effects screening levels; HMIS – Hazardous Material Information Service; LC – Lethal Concentration; LD – Lethal Dose; NFPA – National Fire Protection Association; OEL – Occupational Exposure Limits; OSHA – Occupational Safety and health Administration, US Department of Labor; PEL – Permissible Exposure Limit; SARA (Title III) – Superfund Amendments and Reauthorization Act; SARA 313 – Superfund Amendments and Reauthorization Act, Section 313; SCBA – Self-Contained Breathing Apparatus; STEL – Short Term Exposure Limit; TCEQ – Texas Commission on Environmental Quality; TLV – Threshold Limit Value; TSCA – Toxic Substances Control Act Public Law 94-469; TWA – Time Weighted Value; US DOT – US Department of Transportation; WHMIS – Workplace Hazardous Materials Information System.

Disclaimer:

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