



# SAFETY DATA SHEET

## SECTION 1 — IDENTIFICATION

**Product identifier:** AlbaChem® Embroidery Adhesive

**Product Number:** 1076

**Recommended Use:** Adhesive

**Recommended restrictions:** None known

### ***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, customer, and users of this product.

## SECTION 2 — HAZARD(S) IDENTIFICATION

|                              |   |                             |
|------------------------------|---|-----------------------------|
| <b>Physical hazards</b>      | Flammable aerosols                              | Category 1                  |
| <b>Health hazards</b>        | Acute toxicity, oral                            | Category 4                  |
|                              | Skin corrosion/irritation                       | Category 2                  |
|                              | Serious eye damage/eye irritation               | Category 2A                 |
|                              | Sensitization, skin                             | Category 1                  |
|                              | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
|                              | Aspiration hazard                               | Category 1                  |
| <b>Environmental hazards</b> | Hazardous to aquatic environment, acute hazard  | Category 2                  |
| <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.

**Precautionary statement**

**Prevention**

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container. Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wear protective gloves.

**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. Collect spillage.

**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**

| Chemical name                            | Common name and synonyms | CAS number | %      |
|--|--------------------------|------------|--------|
| 2-Methylpentane                          |                          | 107-83-5   | 10-20  |
| Acetone                                  |                          | 67-64-1    | 10-20  |
| Cyclohexane                              |                          | 110-82-7   | 10-20  |
| Dimethyl Ether                           |                          | 115-10-6   | 10-20  |
| Propane                                  |                          | 74-98-6    | 10-20  |
| 1,1-Difluoroethane                       |                          | 75-37-6    | 2.5-10 |
| 2,2-Dimethylbutane                       |                          | 75-83-2    | 2.5-10 |
| 2,3-Dimethylbutane                       |                          | 79-29-8    | 2.5-10 |
| 3-Methylpentane                          |                          | 96-14-0    | 2.5-10 |
| Other components below reportable levels |                          |            | 10-20  |

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

### SECTION 4 — FIRST AID MEASURES

**Inhalation**

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.

**Skin contact**

Remove contaminated clothing. Wash off with soap and water. If skin irritation occurs,; Get medical advice/attention.

**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 and persists.

**Ingestion**

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Aspiration may cause pulmonary adema and pneumonitis.

**Most important Symptoms/effects, acute and Delayed.**

Irritation of eyes and mucous membranes. May cause drowsiness or dizziness.

**Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically.

**General information**

Ensure that medical personnel are aware of the material(s), and take precaution to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Wash contaminated clothing before reuse.

### SECTION 5 — FIRE FIGHTING MEASURES

**Suitable extinguishing media** Alcohol resistant foam. Dry powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** None known

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|  |   |
|--|---|
| <b>Specific hazards arising from the 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 of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe 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 protections, 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 the 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>                                | 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. Ground and bond containers when transferring material. Do not re-use empty containers. Avoid breathing gas. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Do not empty into drains. |
| <b>Conditions for safe storage, including any incompatibilities</b> | 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). Level 3 Aerosol.  |

## SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure limits

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**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

| <b>Components</b>             | <b>Type</b> | <b>Value</b> |
|-------------------------------|-------------|--------------|
| Dimethyl Ether (CAS 115-10-6) | STEL        | 2 ppm        |
|                               | TWA         | 0.75 ppm     |

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

| <b>Components</b>          | <b>Type</b> | <b>Value</b>                       |
|----------------------------|-------------|------------------------------------|
| Acetone (CAS 67-64-1)      | PEL         | 2400 mg/m <sup>3</sup><br>1000 ppm |
| Cyclohexane (CAS 110-82-7) | PEL         | 1050 mg/m <sup>3</sup><br>300 ppm  |
| Propane (CAS 74-98-6)      | PEL         | 1800 mg/m <sup>3</sup><br>1000 ppm |

**US. ACGIH Threshold Limit Values**

| <b>Components</b>                | <b>Type</b> | <b>Value</b>        |
|----------------------------------|-------------|---------------------|
| 2,2-Dimethylbutane (CAS 75-83-2) | STEL        | 1000 ppm            |
| 2,3-Dimethylbutane (CAS 79-29-8) | TWA<br>STEL | 500 ppm<br>1000 ppm |
| 2-Methylpentane (CAS 107-83-5)   | TWA<br>STEL | 500 ppm<br>1000 ppm |
| 3-Methylpentane (CAS 96-14-0)    | TWA<br>STEL | 500 ppm<br>1000 ppm |
| Acetone (CAS 67-64-1)            | STEL<br>TWA | 750 ppm<br>500 ppm  |
| Cyclohexane (CAS 110-82-7)       | TWA         | 100 ppm             |
| Dimethyl Ether (CAS 115-10-6)    | Ceiling     | 0.3 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><br>250 ppm   |
| Cyclohexane (CAS 110-82-7)    | TWA         | 1050 mg/m <sup>3</sup>             |
| Dimethyl Ether (CAS 115-10-6) | Ceiling     | 300 ppm<br>0.1 ppm                 |
| Propane (CAS 74-98-6)         | TWA         | 1800 mg/m <sup>3</sup><br>1000 ppm |

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

| <b>Components</b>                | <b>Type</b> | <b>Value</b>                       |
|----------------------------------|-------------|------------------------------------|
| 1,1-Difluoroethane (CAS 75-37-6) | TWA         | 2700 mg/m <sup>3</sup><br>1000 ppm |
| Dimethyl Ether (CAS 115-10-6)    | TWA         | 1880 mg/m <sup>3</sup><br>1000 ppm |

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

| <b>Components</b>     | <b>Value</b> | <b>Determinant</b> | <b>Specimen</b> | <b>Sampling Time</b> |
|-----------------------|--------------|--------------------|-----------------|----------------------|
| Acetone (CAS 67-64-1) | 50 mg/l      | Acetone            | Urine           | *                    |

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

**Appropriate engineering** Good general ventilation (typically 10 air changes per hour) should be used.

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|  |   |
|--|---|
| <b>controls</b>  | Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eye wash station |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).   |
| <b>Hand protection</b>   | Wear protective gloves.   |
| <b>Skin protection</b>   |   |
| <b>Other skin protection</b>   | Wear appropriate chemical resistant clothing.   |
| <b>Respiratory protection</b>  | If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.   |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.   |
| <b>General hygiene considerations</b>  | When using, do not eat, drink or 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>                                   |  |
| <b>Physical state</b>                               | Liquid                                   |
| <b>Form</b>   | Aerosol                                  |
| <b>Color</b>  | Not available                            |
| <b>Odor</b>   | Not available                            |
| <b>Odor Threshold</b>                               | Not available                            |
| <b>pH</b>   | Not available                            |
| <b>Melting point/freezing point</b>                 | Not available                            |
| <b>Initial boiling point and boiling range</b>      | 74.12°F (23.4°C) estimated               |
| <b>Flash point</b>                                  | -156.0°F (-104.4°C) propellant estimated |
| <b>Evaporation rate</b>                             | Not available                            |
| <b>Flammability (solid, gas)</b>                    | Not available                            |
| <b>Upper/lower flammability or explosive limits</b> |  |
| <b>Flammability limit – lower (%)</b>               | 2.2% estimated                           |
| <b>Flammability limit – upper (%)</b>               | 9.5% estimated                           |
| <b>Explosive limit – lower (%)</b>                  | Not available                            |
| <b>Explosive limit – upper (%)</b>                  | Not available                            |
| <b>Vapor pressure</b>                               | 60 psig @20C estimated                   |
| <b>Vapor density</b>                                | Not available                            |
| <b>Relative density</b>                             | 0.669 g/cm <sup>3</sup> estimated        |
| <b>Solubility(ies)</b>                              |  |
| <b>Solubility (water)</b>                           | Not available                            |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available                            |
| <b>Auto-ignition temperature</b>                    | 590.04 F (310.02 C) estimated.           |
| <b>Decomposition temperature</b>                    | Not available                            |
| <b>Viscosity</b>                                    | Not available                            |
| <b>Other information</b>                            |  |
| <b>Density</b>                                      | 0.73 g/cm <sup>3</sup> estimated         |
| <b>Flammability class</b>                           | Flammable 1A estimated                   |
| <b>Heat of combustion (NFPA 30B)</b>                | 40.43 kJ/g estimated.                    |
| <b>Percent volatile</b>                             | 81.74% estimated                         |
| <b>Specific gravity</b>                             | 0.725 estimated                          |

VOC (weight %)

57.58% estimated

## SECTION 10 — STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Reactivity</b>                         | This product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.   |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the flash point.  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known  |

## SECTION 11 — TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|   |  |
|---|--|
| <b>Ingestion</b>  | May be fatal if swallowed and enters airways.  |
| <b>Inhalation</b>   | May be fatal if swallowed and enters airways. Prolonged inhalation may be harmful. Narcotic effects.   |
| <b>Skin contact</b>   | Causes skin irritation   |
| <b>Eye contact</b>  | Causes serious eye irritation  |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritant effects. |

### Information on toxicological effects

|                       |   |
|-----------------------|---|
| <b>Acute toxicity</b> | May be fatal if swallowed and enters airways. Narcotic effects. |
|-----------------------|---|

| <b>Components</b>                | <b>Species</b> | <b>Test Results</b>   |
|----------------------------------|----------------|---|
| 1,1-Difluoroethane (CAS 75-37-6) |                |   |
| <b>Acute</b>                     |                |   |
| <i>Inhalation</i>                |                |   |
| LC50                             | Rat            | 44-437500%, 4 hours   |
| Acetone (CAS 67-64-1)            |                |   |
| <b>Acute</b>                     |                |   |
| <i>Dermal</i>                    |                |   |
| LD50                             | Guinea pig     | > 7426 mg/kg, 24 hours<br>> 9.4 ml/kg, 24 hours             |
|                                  | Rabbit         | > 7426 mg/kg, 24 hours<br>> 9.4 ml/kg, 24 hours<br>20 mg/kg |
| <i>Inhalation.</i>               |                |   |
| LC50                             | Rat            | 55700 ppm, 3 hours<br>132 mg/l, 3 hours<br>50.1 mg/l        |
| <i>Oral</i>                      |                |   |
| LD50                             | Mouse          | 3000 mg/kg  |
|                                  | Rabbit         | 5340 mg/kg  |
|                                  | Rat            | 5800 mg/kg<br>2.2 ml/kg                                     |
| <i>Other</i>                     |                |   |
| LD50                             | Mouse          | 1297 mg/kg  |
|                                  | Rat            | 5500 mg/kg  |
| Cyclohexane (CAS 110-82-7)       |                |   |
| <b>Acute</b>                     |                |   |

|                               |        |  |  |
|-------------------------------|--------|--|--|
| <i>Dermal</i>                 |        |  |  |
| LD50                          | Rabbit |  | > 2000 mg/kg   |
| <i>Inhalation</i>             |        |  |  |
| LC50                          | Rat    |  | >32880 mg/m <sup>3</sup> , 4 Hours<br>>5540 ppm, 4 Hours |
| Dimethyl Ether (CAS 115-10-6) |        |  |  |
| <b>Acute</b>                  |        |  |  |
| <i>Inhalation</i>             |        |  |  |
| NOEL                          | Rat    |  | 2 ppm, 6 Hours   |
| <i>Oral</i>                   |        |  |  |
| LD50                          | Rat    |  | 460 mg/kg  |
| Propane (CAS 74-98-6)         |        |  |  |
| <b>Acute</b>                  |        |  |  |
| <i>Inhalation</i>             |        |  |  |
| LC50                          | Mouse  |  | 1237 mg/l, 120 Minutes<br>52%, 120 Minutes               |
|                               | Rat    |  | 1355 mg/l<br>658 mg/l/4h                                 |

\* Estimates for product may be based on additional component data not shown.

|   |   |
|---|---|
| <b>Skin corrosion/irritation</b>  | Causes skin irritation  |
| <b>Serious eye damage/eye irritation</b>                                  | Causes serious eye irritation   |
| <b>Respiratory or skin sensitization</b>                                  |   |
| <b>Respiratory sensitization</b>  | Not available   |
| <b>Skin sensitization</b>   | This product is not expected to cause skin sensitization  |
| <b>Germ cell mutagenicity</b>   | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic |
| <b>Carcinogenicity</b>  | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA                                  |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>     |   |
|   | Not listed  |
| <b>Reproductive toxicity</b>  | This product is not expected to cause reproductive or developmental effects.                                    |
| <b>Specific target organ toxicity - Narcotic effects, single exposure</b> |   |
| <b>Specific target organ toxicity - repeated exposure</b>                 | –Not classified.  |
| <b>Aspiration hazard</b>  | May be fatal if swallowed and enters airways  |
| <b>Chronic effects</b>  | Prolonged inhalation may be harmful.  |

## SECTION 12 — ECOLOGICAL INFORMATION

|                               |   |  |                                |
|-------------------------------|---|--|--------------------------------|
| <b>Ecotoxicity</b>            | Toxic to aquatic life with long lasting effects |  |                                |
| <b>Components</b>             | <b>Species</b>                                  | <b>Test Results</b>                                  |                                |
| Acetone (CAS 67-64-1)         |   |  |                                |
| <b>Aquatic</b>                |   |  |                                |
| Crustacea                     | EC50  | Water flea (Daphnia magna)                           | 21.6-23.9 mg/l, 48 hours       |
| Fish                          | LC50  | Rainbow trout, donaldson trout (Oncorhynchus mykiss) | 4740 -06330 mg/l, 96 hours     |
| Cyclohexane (CAS 110-82-7)    |   |  |                                |
| <b>Aquatic</b>                |   |  |                                |
| Fish                          | LC50  | Fathead minnow (Pimephales promelas)                 | 23.03 – 42.07 mg/l, 96 hours   |
| Dimethyl Ether (CAS 115-10-6) |   |  |                                |
| <b>Aquatic</b>                |   |  |                                |
| Crustacea                     | EC50  | Water flea (Daphnia pulex)                           | 4.3 – 7.8 mg/l, 48 hours       |
| Fish                          | LC50  | Striped bass (Morone saxatilis)                      | 10.302 – 16.743 mg/l, 96 hours |

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\*Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product  
**Bioaccumulative potential** No data available

**Partition coefficient n-octanol/water (log Kow)**

|                    |       |
|--------------------|-------|
| 1,1-Difluoroethane | 0.75  |
| 2,2-Dimethylbutane | 3.82  |
| 2,3-Dimethylbutane | 3.42  |
| 2-Methylpentane    | 3.74  |
| 3-Methylpentane    | 3.6   |
| Acetone            | -0.24 |
| Cyclohexane        | 3.44  |
| Dimethyl Ether     | 0.1   |
| Propane            | 2.36  |

**Mobility in soil** No data available  
**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13 — DISPOSAL CONSIDERATIONS

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**US RCRA Hazardous Waste U List: Reference**

|                            |      |
|----------------------------|------|
| Acetone (CAS 67-64-1)      | U002 |
| Cyclohexane (CAS 110-82-7) | U056 |

**Waste from residue/unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

## SECTION 14 — TRANSPORT INFORMATION

**DOT**

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1950  |
| <b>UN proper shipping name</b>      | Aerosols, flammable   |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 2.1   |
| <b>Subsidiary risk</b>              | -   |
| <b>Label(s)</b>                     | None  |
| <b>Packing group</b>                | Not applicable  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |

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|                             |      |
|-----------------------------|------|
| <b>Special provisions</b>   | N82  |
| <b>Packaging exceptions</b> | 306  |
| <b>Packaging non bulk</b>   | None |
| <b>Packaging bulk</b>       | None |

This product meets the exception requirement of section 173.306 as a limited quantity and may be shipped as a limited quantity Until 12/31/2020, the “Consumer Commodity – ORM-D” marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the “Consumer Commodity ORM-D” marking and both may be displayed concurrently.

**IATA**

|                                |                     |
|--------------------------------|---------------------|
| <b>UN number</b>               | UN1950              |
| <b>UN proper shipping name</b> | Aerosols, flammable |

**Transport hazard class(es)**

|                        |     |
|------------------------|-----|
| <b>Class</b>           | 2.1 |
| <b>Subsidiary risk</b> | -   |
| <b>Label(s)</b>        | 2.1 |

|                      |                |
|----------------------|----------------|
| <b>Packing group</b> | Not applicable |
|----------------------|----------------|

|                              |     |
|------------------------------|-----|
| <b>Environmental hazards</b> | Yes |
|------------------------------|-----|

**ERG code**

|                 |     |
|-----------------|-----|
| <b>ERG code</b> | 10L |
|-----------------|-----|

|                                     |   |
|-------------------------------------|---|
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
|-------------------------------------|---|

**Other information:**

Passenger and cargo aircraft: Allowed

Cargo aircraft only: Allowed

**Packaging Exception:** LTD QTY

**IMDG**

|                                |          |
|--------------------------------|----------|
| <b>UN number</b>               | UN1950   |
| <b>UN proper shipping name</b> | AEROSOLS |

**Transport hazard class(es)**

|                        |     |
|------------------------|-----|
| <b>Class</b>           | 2.1 |
| <b>Subsidiary risk</b> | -   |
| <b>Label(s)</b>        | 2.1 |

|                      |                |
|----------------------|----------------|
| <b>Packing group</b> | Not applicable |
|----------------------|----------------|

**Environmental hazards**

|                         |     |
|-------------------------|-----|
| <b>Marine pollutant</b> | Yes |
|-------------------------|-----|

|            |          |
|------------|----------|
| <b>EmS</b> | F-D, S-U |
|------------|----------|

|                                     |   |
|-------------------------------------|---|
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |
|-------------------------------------|---|

**Packaging exceptions** LTD QTY

|                          |                |
|--------------------------|----------------|
| <b>Transport in bulk</b> | Not applicable |
|--------------------------|----------------|

**According to Annex II of MARPOL 73/78 And the IBC Code**

**DOT****IATA; IMDG**



**Marine Pollutant**



**SECTION 15 — REGULATORY INFORMATION**

**US Federal Regulations**      This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Acetone (CAS 67-64-1)      Listed

Cyclohexane (CAS 110-82-7)      Listed

**SARA 304 Emergency release notification**

Not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**      Immediate Hazard – Yes  
    Delayed Hazard – No  
    Fire Hazard – Yes  
    Pressure Hazard – No  
    Reactivity Hazard – No

**SARA 302 Extremely hazardous substance**

| Chemical name | CAS number | Reportable quantity | Threshold planning quantity | Threshold planning quantity, lower value | Threshold planning quantity, upper value |
|---------------|------------|---------------------|-----------------------------|--|--|
| Phenol        | 108-95-2   | 1000                |                             | 500 lbs                                  | 10000 lbs                                |

**SARA 311/312 Hazardous chemical**      No

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt.   |
|---------------|------------|------------|
| Cyclohexane   | 110-82-7   | 10 – 20    |
| Ethyl Benzene | 100-41-4   | 0.01 – 0.1 |
| Styrene       | 100-42-5   | 0.01 – 0.1 |

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated

**Clean Air Act (CAA Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

1,1-Difluoroethane (CAS 75-37-6)

Dimethyl Ether (CAS 115-10-6)

Propane (CAS 74-98-6)

**Safe Drinking Water Act (SDWA)**      Not regulated

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

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Acetone (CAS 67-64-1) 6532

**Drug Enforcement Administration (DEA) List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

Acetone (CAS 67-64-1) 35% WV

**DEA Exempt Chemical Mixtures Code Number**

Acetone (CAS 67-64-1) 6532

**US state regulations**

**US. Massachusetts RTK – Substance List, US. New Jersey Worker and Community Right-to-Know Act, US. Pennsylvania Worker and Community Right-to-Know Law**

1,1-Difluoroethane (CAS 75-37-6)

2,2-Dimethylbutane (CAS 75-83-2)

2,3-Dimethylbutane (CAS 79-29-8)

2-Methylpentane (CAS 107-83-5)

3-Methylpentane (CAS 96-14-0)

Acetone (CAS 67-64-1)

Cyclohexane (CAS 110-82-7)

Dimethyl Ether (CAS 115-10-6)

Propane (CAS 74-98-6)

**US. Rhode Island RTK**

1,1-Difluoroethane (CAS 75-37-6)

Acetone (CAS 67-64-1)

Cyclohexane (CAS 110-82-7)

Dimethyl Ether (CAS 115-10-6)

Propane (CAS 74-98-6)

**US. California Proposition 65**

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

**US – California Proposition 65 – CRT: Listed date/Carcinogenic substance**

Ethyl Benzene (CAS 100-41-4) Listed June 11, 2004

**International Inventories**

| Country(s) or region        | Inventory name   | On Inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada                      | Domestic Substances List (DSL)   | No                     |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (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                     |
| New Zealand                 | New Zealand Inventory  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | 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)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**SECTION 16 — OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Issue date** 05-22-2015  
**Version #** 01  
**Prepared by** Albatross USA Inc.  
**Telephone number** 718-392-6272

From the library of: Superior Sewing Machine & Supply LLC

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**Revision information** Product and Company Identification, Alternate Trade Names  
GHS: Classification