

## MATERIAL SAFETY DATA SHEET

This MSDS Complies with 29CFR 1910.1200 (Hazard Communication Standard)  
**IMPORTANT:** Read this MSDS before handling & disposing of this product.  
Pass this information on to employees, customers, & users of this product.

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTITY: ALBATROSS® SUPERKLEEN S.P.I.F.  
NAME: ALBATROSS® USA, INC. ADDRESS: 36-41 36TH STREET  
CITY: LONG ISLAND CITY, NY 11106 PHONE: 718-392-6272  
FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident  
Call CHEMTREC- Day or Night: 800-424-9300

DOT SHIPPING NAME: 1 gal container: Compound, Cleaning Liquid Consumer Commodity  
5 gal, 55 gal drums: Toxic liquid, Organic n.o.s., (Contains: Dichloromethane,  
Tetrachloroethylene) 6.1, UN2810, PG III

Chemical Family: Chlorinated solvent blend

DOT Hazard Class: 1 gal container: ORM-D  
5 gal, 55 gal drums: 6.1

Generic Name: Solvent blend

Co. ID NO.: SUPERKLEEN S.P.I.F.

CAS NO.: Mixture

UN/NA #: 2810

The TLV/PEL for Superkleen S.P.I.F. is 75ppm TWA Calculated.

### SECTION 2. INGREDIENT & REGULATORY INFORMATION

HAZARDOUS INGREDIENTS	CAS#	TLV/PEL (TWA)	STEL (CEIL)	AGENCY	WT. % RANGE	SARA 313 LISTED
Dichloromethane	75-09-2	25ppm	125ppm	OSHA	50-75	YES
Dichloromethane	75-09-2	50ppm		ACGIH	50-75	YES
Tetrachloroethylene	127-18-4	100ppm		OSHA	5-15	YES
Tetrachloroethylene	127-18-4	25ppm	100ppm	ACGIH	5-15	YES
2-Propanol	67-63-0	400ppm		OSHA	5-30	NO
2-Propanol	67-30-0	400ppm	500ppm	ACGIH	5-30	NO

### SECTION 3. EMERGENCY AND FIRST AID PROCEDURES

#### **EYE CONTACT:**

Move person away from exposure and into fresh air. If irritation or redness develops, flush eyes with clean water and seek medical attention. For direct contact hold eyelids apart for at least 15 minutes. Seek medical attention.

#### **SKIN CONTACT:**

Remove contaminated shoes and clothing and cleanse affected areas thoroughly by washing with mild soap and water. If irritation persists seek medical attention.

#### **INHALATION (BREATHING)**

Immediately move person away from exposure and into fresh air. If respiratory symptoms or other symptoms of exposure develop, seek immediate medical attention. If person is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

#### **INGESTION (SWALLOWING)**

This material is a potential aspiration hazard. If swallowed, seek emergency medical attention. If person is drowsy or unconscious, place on the left side with head down and do not give anything by mouth. Do not induce vomiting. Seek immediate medical attention.

#### SECTION 4. HEALTH HAZARDS/ROUTES OF ENTRY

##### EYE CONTACT:

One or more components of this material is an eye irritant. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing, redness and swelling.

##### SKIN CONTACT:

One or more components of this material may cause mild skin irritation. Prolonged or repeated contact may cause redness, burning, drying and cracking of the skin.

##### SKIN ABSORPTION:

Contact may result in skin absorption but symptoms of toxicity are not anticipated by this route alone under normal conditions of use. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

##### INHALATION (BREATHING)

One or more components of this material is toxic by inhalation. Breathing vapors or mists may be harmful. Effects of overexposure may include: Irritation of the nose and throat. Signs of nervous system depression (headache, drowsiness, dizziness, loss of coordination and fatigue, coughing and shortness of breath.) Respiratory symptoms associated with pre-existing lung disorders (asthma like conditions) may be aggravated by exposure to this material.

Employees working with dichloromethane containing compounds should be aware of the increased hazard from simultaneous exposure to carbon monoxide. This effect is "additive" in nature, with the risk of exposure being greater for smokers. Employees with a history of cardiovascular disease should not be allowed to work with dichloromethane unless approved by a physician.

##### INGESTION (SWALLOWING)

Ingestion of large quantities may cause the following: Irritation of the digestive tract, signs of nervous system depression, (e.g. headache, drowsiness, dizziness, loss of coordination, fatigue and nausea.

##### ASPIRATION HAZARD:

One or more components of this material can enter the lungs during swallowing and cause lung inflammation and damage.

#### SECTION 5. SPECIAL PROTECTION INFORMATION

##### VENTILATION:

If current ventilation practices are not adequate to maintain airborne concentrations below established exposure limits (see Section 2), additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, or electrical systems that are safe for such locations must be used.

##### RESPIRATORY PROTECTION:

The use of respiratory protection is advised when concentrations exceed the established exposure limits. (see Section 2) Depending on the airborne concentration use a respirator or gas mask with appropriate cartridges or canisters (NIOSH approved, if available) or supplied air equipment.

##### PROTECTIVE GLOVES:

The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

##### EYE PROTECTION

Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

#### SECTION 6. REACTIVITY DATA

##### STABILITY: Stable

##### INCOMPATIBILITY (MATERIALS TO AVOID):

This product forms combustible and/or explosive mixtures with air and/or oxygen.  
This product is incompatible with: Strong acids or bases, Oxidizing agents, Selected amines, Zinc, Aluminum, Alkali metals, Halogens, Anhydrides, Isocyanates, Acetaldehyde, Chlorine, Ethylene oxide, Hydrogen peroxide, Organometallic contaminants.

##### HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition in the presence of air may yield carbon monoxide and /or carbon dioxide.

##### HAZARDOUS POLYMERIZATION:

Will not occur.

## SECTION 7. SPILL OR LEAK PROCEDURES

### PRECAUTIONS IN CASE OF RELEASE OR SPILL:

Keep all sources ignition and hot metal surfaces away from spill/release. Stay upwind and away from spill/release. Isolate hazard area and limit entry to emergency crew only. Stop spill/release if it can be done without risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 5). Prevent spilled material from entering sewers, storm drains, and other unauthorized treatment drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify fire authorities and appropriate federal, state and local agencies. Immediate cleanup of any spill is recommended. If spill/release in excess of EPA reportable quantity is made into the environment, immediately notify the national response center (phone number 1-800-424-8002)

DOT/CERCLA Reportable quantity: Dichloromethane (RQ 1000lbs.)  
Tetrachloroethylene (RQ 100lbs.)

### WASTE DISPOSAL METHOD:

Dispose of product in accordance with local, county, state and federal regulations.

## SECTION 8. STORAGE AND SPECIAL PRECAUTIONS

Keep containers tightly closed, cool, dry and away from all sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practices. Bond and ground equipment when transferring to another container. "Empty" containers contain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury and death. "Empty" drums should be completely drained, properly bunged and promptly shipped to the supplier or drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which contain or have contained this product, refer to occupational safety and health administration regulations, ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, repairing, welding or other contemplated operations.

## SECTION 9. FIRE AND EXPLOSION HAZARD DATA

### EXTINGUISHING MEDIA:

Extinguish with dry chemical, CO2 or a universal type foam.

### FIRE AND EXPLOSION HAZARD:

Concentrated vapors can be ignited by high intensity ignition sources and may develop a flammable atmosphere in confined or poorly-ventilated areas. Vapors are heavier than air and may accumulate in low areas. If container is not properly cooled, it may explode in the heat of a fire.

### FIRE FIGHTING PROCEDURES:

Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 5). Stop spill/release if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

## SECTION 10. PHYSICAL DATA

APPROXIMATE BOILING POINT (Deg.F): 114

PER CENT VOLATILE: 100

SPECIFIC GRAVITY (68 F): 1.27

FLASH POINT, (TCC, deg F): NONE DETECTED

RELATIVE EVAPORATION RATE (ESTIMATED): 11 (n-BuOAC=1)

PERCENT SOLUBILITY IN WATER (ESTIMATED): 15

VOC REGULATED VAPOR PRESSURE @ 20 C (CALCULATED): 300 mm Hg

VOC CONTENT: 278.5 GM/L

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DATE 7/01/98  
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## SECTION 11. OTHER REGULATORY DATA

### SARA

SECTION 302, 304: NONE  
SECTION 311, 312: ACUTE, CHRONIC  
SECTION 313: SEE SECTION 2

### TSCA

ALL COMPONENTS ARE IN FULL COMPLIANCE WITH THE TSCA INVENTORY.

### RCRA

CONTAINS F001 WASTE IF USED IN DEGREASING OR F002 IF USED IN OTHER APPLICATIONS.

### HMIS

HEALTH 2  
FLAMMABILITY 1  
REACTIVITY 0

### CALIFORNIA PROPOSITION 65

THIS PRODUCT DOES CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

### CALIFORNIA VOC CONTENT

278.5 G/L

### CARCINOGENICITY

DICHLOROMETHANE IS LISTED UNDER IARC AS A 2.  
TETRACHLOROETHYLENE IS LISTED UNDER NTP AND IARC AS A POSSIBLE CARCINOGEN.

### NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.