

COMPANY IDENTITY: ALBATROSS® USA INC.
PRODUCT IDENTITY: T.U.F.

DATE 11/22/96
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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: T.U.F.

NAME: ALBATROSS® USA, INC.

CITY: LONG ISLAND CITY, NY 11106

DOT Shipping name: Compound, Cleaning Liquid

Chemical Family: Hydrocarbon Solvent Blend

Generic name: Solvent blend

CAS NO.: Mixture

ADDRESS: 36-41 36TH STREET

PHONE: 718-392-6272

(Flash point) 140 F)

DOT Hazard class: None

Co. ID NO.: T.U.F

UN/NA #: None

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident

CALL CHEMTREC- Day or Night: 800-424-9300

SECTION 2. HAZARDOUS INGREDIENTS/ EXPOSURE LIMITS

HAZARDOUS INGREDIENTS	CAS#	TLV/PEL	AGENCY	TYPE
Dichlorofluoroethane	1717-00-6	500ppm	ACGIH	TWA
1-Propanol	71-23-8	200ppm	ACGIH SKIN	TWA
2-Butanone	78-93-3	200ppm	ACGIH	TWA
Propylene glycol				
Methyl ether	107-98-2	100ppm	ACGIH	TWA

SECTION 3. SARA 313 LISTED CHEMICALS

LISTED INGREDIENTS	CAS#	WT. % RANGE
2- Butanone	78-93-3	30-35
Dichlorofluoroethane	1717-00-6	35-40

SECTION 4. 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. Do not give anything by mouth. Do not induce vomiting. Seek immediate medical attention.

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SECTION 5. 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 or 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 skin.

SKIN ABSORPTION:

Contact may result in skin absorption but symptoms or 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, such as headache, drowsiness,

dizziness, loss of coordination, 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.

INGESTION (SWALLOWING):

While this material has a low degree of toxicity, ingestion of large quantities may cause the following:

Irritation of the digestive tract.

Signs of nervous system depression, such as 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 6. 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, 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 7. 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.

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SECTION 7. REACTIVITY DATA (CON'T)

HAZARDOUS DECOMPOSITION PRODUCTS:

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

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 8. SPILL OF LEAK PROCEDURES

PRECAUTIONS IN CASE OF LEAK OR SPILL:

Keep all sources of 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 6). Prevent spilled material from entering sewers, storm drains, and natural waterways. Dike far ahead of spill for later recovery and disposal. Spilled material may be absorbed by an appropriate absorbent. Notify fire authorities and appropriate federal, state and local agencies. If spill/release is in excess of EPA reportable quantity, immediately notify the national response center. (phone # 1-800-424-8802)

DOT/CERCLA RQ: NONE

WASTE DISPOSAL METHOD:

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

SECTION 9. STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE 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 in or on tanks which contain or has contained this product, refer to OSHA or ANSI Z49.1 regulations and other governmental and industrial references pertaining to cleaning, repairing, welding or other contemplated operations.

SECTION 10. FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:

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

FIRE AND EXPLOSION HAZARD:

This material is combustible and may be ignited by heat, sparks, flames, or other sources of ignition (e.g. pilot lights, static electricity, or mechanical/electrical equipment). Vapors may travel considerable distances to a source of ignition where they may ignite, flashback or explode. Liquid may create a vapor/air explosion hazard indoors, outdoors or in sewers. Vapors 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 6) 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.

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SECTION 11. PHYSICAL DATA

APPROXIMATE BOILING POINT (DEG F): 90-260

PER CENT VOLATILE: 100

SPECIFIC GRAVITY (68 F): 0.958

FLASH POINT, (TCC, DEG F): 143

(Upon evaporation, during use, this material may become flammable)

RELATIVE EVAPORATION RATE (ESTIMATED): 2.6

(nBuOAC = 1)

PERCENT SOLUBILITY IN WATER (ESTIMATED): 51

VOC REGULATED VAPOR PRESSURE @20 c: 30 mmHg

VOC CONTENT: 958 GM/L

VOC CONTENT (REGULATED): 718 G/L (5.97 #/GAL)

SECTION 12. OTHER REGULATORY DATA

SARA

SECTION 302: NONE

SECTION 311, 312: ACUTE, CHRONIC

SECTION 313: SEE SECTION 3

TSCA

ALL COMPONENTS ARE IN FULL COMPLIANCE WITH THE TSCA INVENTORY.

RCRA

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

HMS

HEALTH 1

FLAMMABILITY 1

REACTIVITY 0

CALIFORNIA PROPOSITION 65

THIS PRODUCT DOES NOT CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

ENVIRONMENTAL PROTECTION AGENCY

DICHLOROFLUOROETHANE IS A CLASS 2 O.D.S. THE OZONE DEPLETION WARNING IS NOT REQUIRED ON MATERIALS CLEANED WITH THIS SUBSTANCE.
DICHLOROFLUOROETHANE HARMS PUBLIC HEALTH BY DESTROYING OZONE IN THE UPPER ATMOSPHERE.

CARCINOGENICITY

NOT LISTED UNDER IARC OR NTP.

CERCLA

METHYL ETHYL KETONE RQ: 5000LBS

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.