



MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION

Product identifier: Everblum® Cosmetic Stain Remover

Product Number: 1030 & 1031

Product use: Solvent

Chemical Name: Benzene, 1-Chloro-4 (Trifluoromethyl)

Chemical Formula: $C_7H_4ClF_3$

Synonyms/Common Names: PCBTF
Parachlorobenzotrifluoride

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 — COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number/Name

98-56-6 Benzene, 1-chloro-4-(trifluoromethyl)-

EXPOSURE LIMITS

PEL: Not Established

TLV: Not Established

CEL: 25 ppm 8 hr TWA

PERCENTAGE

VOL ND

WT 98.50-100

COMMON NAMES:

p-chlorobenzotrifluoride

4-chlorobenzotrifluoride

Listed On (List Legend Below):

00 19 22 23 50 51 75 76 77

LIST LEGEND

00 TSCA Inventory	51 EINECS
19 PA Requirements – 3% or greater	75 Australian Inventory (AICS)
22 Canadian DSL	76 Japan Inventory (ENCS)
23 NJ Requirements – 1% or greater	77 Korean Existing Chemicals Inv. (ECL)
50 Phillippines Inventory (PICCS)	

SECTION 3 — HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Combustible liquid, may cause irritation by all routes of exposure. May produce symptoms of central nervous system depression including headache, dizziness, nausea, loss of balance and drowsiness.

Clear colorless liquid with naphthalenic odor.

POTENTIAL HEALTH EFFECTS

Routes of Entry: Eyes, ingestion, inhalation, skin

Target Organs: Central nervous system, kidneys, liver

Irritancy: Eyes, respiratory tract, skin

Sensitizing Capability: None known

Reproductive Effects: None known

Cancer Information: Not known to be a carcinogenic

SHORT-TERM EXPOSURE (ACUTE)

Inhalation: May produce symptoms of central nervous system depression including headache, dizziness, nausea, loss of balance and drowsiness.

Eyes: May be irritating.

Skin: May be irritating.

Ingestion: Ingestion may cause damage to the lining of the gastrointestinal tract. See Inhalation and Repeated Exposure.

Repeated Exposure (Chronic): Prolonged or repeated breathing or swallowing of large amounts may cause liver and kidney damage based on animal studies. See Inhalation and Ingestion.

Synergistic Materials: None known

Medical Conditions Aggravated by Exposure: None known

SECTION 4 — FIRST AID MEASURES

Eyes: IMMEDIATELY flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

Skin: Wash thoroughly with soap and water. Wash clothing before reuse. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

Inhalation: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: DO NOT INDUCE VOMITING. This material is not soluble. DO NOT GIVE FLUIDS. If spontaneous vomiting is inevitable, PREVENT ASPIRATION by keeping the victims head below the knees. GET IMMEDIATE MEDICAL ATTENTION. A qualified physician can perform gastric lavage only when the airway (trachea) has been secured to prevent aspiration.

Notes to Physician: Administration of absorbents such as activated charcoal may be of value. Gastric lavage may be effective when performed by a physician within 4 hours of ingestion.

SECTION 5 — FIRE FIGHTING MEASURES

Flash Point: 42.8° C (109° F)

Method: TAG CC

Autoignition Temperature: >500° C

FLAMMABLE LIMITS IN AIR, BY % VOLUME

Upper: 10.5 **Lower:** 0.9

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water fog or spray.

FIRE FIGHTING PROCEDURES: Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Use water spray to keep fire exposed containers cool to avoid pressure buildup. Wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing.

FIRE AND EXPLOSION HAZARD: Combustible liquid. Material does not sustain combustion. Over-heated drums may rupture. Heavy vapors can travel to source of ignition and flash back.

SENSITIVITY TO MECHANICAL IMPACT: Not applicable.

SENSITIVITY TO STATIC DISCHARGE: Electrostatic charge may build up during handling. Grounding of equipment is recommended.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Evacuate unnecessary personnel and eliminate all sources of ignition. Follow protective measures provided under Personal Protection in Section 8.

ENVIRONMENTAL PRECAUTIONS: Contain liquids and prevent discharges to streams or sewers, control or stop the loss of volatile materials to the atmosphere. Large leaks may require environmental consideration and possible evacuation. Do not apply water to the leak. Spills or releases should be reported, if required, to the appropriate local, state and federal agencies.

METHODS FOR CLEANING UP: If a significant spill occurs, evacuate area. If exposure conditions warrant, wear a NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing. Shut off electrical service and protect from ignition. Contain spill or release with a dike to prevent flow into sewers or streams. Pump into container for disposal or reclamation. Soak up small spills with absorbent material.

SECTION 7 — HANDLING AND STORAGE

HANDLING: Avoid breathing vapour, use with adequate ventilation. Wear NIOSH/MSHA approved respiratory protection if there is potential for exposure above the exposure limits. Do not get in eyes, on skin or clothing. Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the MSDS. Wash thoroughly with soap and water after handling. Keep away from heat, sparks, pilot lights, welding operations and open flame. Do not eat, drink or smoke in areas where this material is used. Ground all equipment. Never enter a pit or tank without following safety procedures-never alone, always with a lifeline and positive pressure supplied air. Vapors are heavier than air and will tend to collect in low areas. Avoid use in confined spaces. Areas of poor ventilation could contain concentrations high enough to cause unconsciousness and death. Use approved supplied air respirator following manufacturer's recommendations where vapors may be generated. Do not reuse containers.

SPECIAL MIXING AND HANDLING INSTRUCTIONS: Do not allow contact with materials as noted in Section 10.

STORAGE: Keep container tightly closed and properly labelled. Store in a cool, ventilated area away from incompatible materials (see Section 10). Dike storage containers to contain 110% of tank volume. Vent indoor tanks

to an outside location so escaping vapors will not contaminate any work areas.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS: General room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits.

PERSONAL PROTECTION

RESPIRATORY: For emergencies and unknown concentrations, use NIOSH/MSHA approved positive pressure self-contained breathing apparatus. Utilize respiratory protective equipment in accordance with 29CFR 1910.134 (Respiratory Protection).

EYE/FACE: Wear chemical safety goggles plus full face shield to protect against splashing when appropriate (ANSI Z87.1).

SKIN: Wear chemical resistant gloves such as North Silver Shield® or Viton®. For limited use, PVC or nitrile Gloves may be worn. Silver Shield is a registered trademark of Siebe North, Inc. Viton is a registered trademark of E.I. DuPont deNemours and Company, Inc. Wear plastic or rubber apron for splash protection.

OTHER: Emergency shower and eyewash facility should be in close proximity (ANSI Z358.1).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear, colourless liquid with naphthalenic odor.

Odour threshold: < 1.0 ppm

Boiling Point : 139°C (282°F)

Melting/freezing point: -36° C (-33° F)

Vapour pressure: 5.3 mm @ 20° C

Vapour density (Air=1): 6.2

Evaporation rate (nBuOAC=1): 0.9

Density: 11.2 lbs/gal

Thermal Decomposition Temperature: Not Available

pH: Not Applicable

Specific gravity (water = 1): 1.34

VOC (g/l. by wt.): Negligible

Solubility in water (% by wt.): 29 ppm @ 23° C

Percent Volatile by Weight: 100

Octanol/Water Partition Coefficient: log Kow = 3.70

Other: Limited Oxygen Index (LOI) = 26.2

SECTION 10 — STABILITY AND REACTIVITY

CHEMICAL STABILITY:

☒ X ☐ STABLE ☐ UNSTABLE

REACTS WITH:

☐ AIR ☒ X ☐ OXIDIZERS ☐ METALS
☐ WATER ☐ ACIDS ☐ OTHER
☐ HEAT ☐ ALKALIS ☐ NONE

HAZARDOUS POLYMERIZATION:

☐ OCCURS ☒ X ☐ WILL NOT OCCUR

COMMENTS: Avoid contact with oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine containing gases can be produced. Fluorine containing gases can be produced.

SECTION 11 — TOXICOLOGICAL INFORMATION

98-56-6 Benzene, 1-chloro-4-(trifluoromethyl)-

Acute Oral LD50: (rat)	> 6.8 g/kg
Acute Dermal LD50: (rabbit)	> 2.7 g/kg
Acute Inhalation LC50: (rat)	4479 ppm
Primary Skin Irritation: (rabbit)	non-irritating
Primary Eye Irritation: (rabbit)	non-irritating

A 28-day rang-finding inhalation study was conducted in male and female Sprague-Dawley rats exposed to 0, 100, 250, 500 or 1000 ppm for 6 hr/day, 5 days/week. Clinical signs included increased activity at 250 ppm and above. Liver and kidney weights were increased. Microscopic changes in male kidneys stained positive for alpha-2-U globulin and the effects were considered not relevant to humans. Liver cell hypertrophy was seen at all exposures in males. Liver changes were consistent with clinical chemistry and PCBTF-blood level analysis and are believed to be an adaptive response, due to increased liver metabolism.

Gavage studies in laboratory rodents for treatment periods of 14, 28, and 90 days have demonstrated significant liver and kidney toxicity at dose levels of 400 – 1000 mg/kg/day. Evidence of target organ toxicity included significant increases in relative liver and kidney weights, clinical chemistry values and histopathological findings. Renal toxicity which occurred only in male rats, was apparently due to “hyaline droplet” nephropathy and is therefore, highly unlikely to develop in man. The NOAEL's for all these studies range from 10 to 100 mg/kg/day.

CNS effects were observed in rats exposed to PCBTF at or above 2822 ppm for 4 hours.

A 90 day (13 week) rat inhalation toxicity and neurobehavioral study was conducted using exposures of 6 hrs/day, 5 days/week at concentrations of 0, 10, 50 and 250 ppm. There were no PCBTF-related macroscopic observations. Microscopically, PCBTF-related centrilobular hypertrophy was present only in the livers of males and females at the high dose (250 ppm) after 13-weeks of exposure. No centrilobular hypertrophy was observed at any level among recovery animals. There were no PCBTF-related effects on the nervous system as measured by a functional observation battery, muscular activity measurements and neuropathology. A NOEL of 50 ppm was established in this study for liver hepatocyte hypertrophy in male and female rats. If the hepatocyte hypertrophy observed is considered to be an adaptive response to PCBTF, the NOAEL for this study is 250 ppm.

SECTION 12 — ECOLOGICAL INFORMATION

98-56-6 Benzene, 1-chloro-4-(trifluoremethyle)-

AQUATIC ECOTOX DATA

Fish:

LC50 (96 hr.)	Rainbow trout	13.5	mg/L
LC50 (96 hr.)	(Bluegill sunfish)	12.0	mg/L
MATC (31 day)	(Fathead minnow)	>0.54 <1.4 mg/L*	
*Triethylene glycol used as solvent carrier			
BCF (48 hr.)	(Bluegill sunfish)	121.8 & 202.0	

Invertebrates:

LC50 (48 hr.) (Water flea)	12.4	mg/L
MATC (21 day) (Water flea)	>0.03 <0.05 mg/L*	

*Acetone used as solvent carrier

Plants:

IC50 (72 hr.) (Green & Blue-green algae) 500 mg/L

TERRESTRIAL ECOTOX DATA

No Data Available

ENVIRONMENTAL FATE DATA

Biotic:

Biodegradation: inconclusive due to volatility

Abiotic:

Atmospheric lifetime: estimated to be 65.9 days for OH radical reaction

Log Kow 3.7

Koc 420-530

Water Sol. @ 23 C 29.1

p-Chlorobenzotrifluoride (PCBTF) will preferentially partition to the atmosphere, due to its high volatility. It has been estimated that 99.93% of a 100 Kg spill would end up in the atmosphere, while only 0.06% would partition to water (M. Garlands, 1990). The aqueous solubility of PCBTF (29.1 mg/L) would also tend to limit its potential impact to exposed aquatic systems. PCBTF has exhibited significant toxicity to aquatic species under laboratory conditions, but is unlikely to exhibit a similar degree of acute toxicity under environmental conditions due the aforementioned solubility and volatility issues. The moderate level of bioaccumulation measured in laboratory tests will also be subject to environmental mitigation due to PCBTF's physical/chemical properties. PCBTF should rapidly volatilize from dry and moist soils. Volatility, and relative environmental partitioning characteristics, make it unlikely that PCBTF represents a significant threat to aquatic or terrestrial environments.

SECTION 13 — DISPOSAL CONSIDERATIONS

Shipments of waste materials may be subject to manifesting requirements per applicable regulations. Appropriate disposal will depend on the nature of each waste material and should be done by a competent and properly permitted contractor.

Recovered nonusable material is a RCRA Hazardous Waste. Treatment, storage, transportation and disposal must be in accordance with EPA and State regulations under the authority of the Resource Conservation and Recovery Act (RCRA) 40 CFR parts 260-271.

SECTION 14 — TRANSPORT INFORMATION

DOT Information: Not Regulated

SECTION 15 — REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labelling, material safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Material Safety Data Sheet available to your employees.

To aid our customers in complying with regulatory requirements, SARA Title III Hazard Categories for this product are indicated below. If the word "YES" appears next to any category, this product may be reportable by you under the requirements of 40.CFR.370. Please consult those regulations for details.

Parachlorobenzotrifluoride was designated by the Interagency Testing Committee for action by the EPA under Section 4(e) of the Toxic Substance Control Act. As a result of data submitted under a negotiated testing program, the EPA subsequently concluded that the information provided adequately characterized the Health, Environment and Chemical fate effects of parachlorobenzotrifluoride and issued a decision not to require further testing.

TSCA: All components of this product that are required to be on the TSCA inventory are listed on the inventory .

SARA/TITLE II HAZARD CATEGORIES:

Immediate (Acute) Health: ☐ No ☐ Reactive Hazard ☐ No ☐
Delayed (Chronic) Health: ☐ Yes ☐ Sudden Release of Pressure ☐ No ☐
Fire Hazard: ☐ Yes ☐

HMIS HAZARD RATING:

Health Hazard: ☐ 1* ☐ Fire Hazard: ☐ 2 ☐ Reactivity: ☐ 1 ☐

STATE REGULATIONS: See Section 2. COMPOSITION/INFORMATION ON INGREDIENTS list legend for applicable state regulation.

INTERNAL REGULATIONS: Consult the regulations of the importing country.

CANADA: WHMIS Hazard Class: B3

SECTION 16 — OTHER INFORMATION

For additional non-emergency health, safety or environmental information telephone 800-699-8606 or write to:

IsleChem, LLC
2801 Long Road
Grand Island, NY 14072

MSDS LEGEND:

OSHA – Occupational Safety and Health Administration
TLV – Threshold Limit Value (ACGIH)
ACGIH – American Conference of Governmental Industrial Hygienists
TDG – Transportation of Dangerous Goods (Canada)
CAS – Chemical Abstracts Service Registry Number
CEILING -- Ceiling Limit (15 minutes)
CEL -- Corporate Exposure Limit
PEL -- Permissible Exposure Limit (OSHA)
STEL -- Short Term Exposure Limit (15 minutes)
TWA -- Time Weighted Average (8 Hours)
WHMIS -- Worker Hazardous Materials Information System (Canada)

* = See Section 3 Hazards Identification – Repeated Exposure (Chronic) Information

IMPORTANT: The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR

FITNESS FOR PURPOSE, OR OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, STABILITY OR OTHERWISE. This information is not intended to be all-inclusive as to the manner and conditions of use, handling and storage. Other factors may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or violate any federal, state or local laws, rules, regulations or ordinances.

A Corporate Exposure Limit (CEL) for parachlorobenzotrifluoride of 25 ppm (8 hr TWA) has been established.

SECTION 17 — WARNING LABEL INFORMATION

SIGNAL WORD:

WARNING

HAZARD WARNINGS:

COMBUSTIBLE LIQUID

MAY CAUSE IRRITATION BY ALL ROUTES OF EXPOSURE.

MAY PRODUCE SYMPTOMS OF CENTRAL NERVOUS SYSTEM DEPRESSION INCLUDING HEADACHE, DIZZINESS, NAUSEA, LOSS OF BALANCE AND DROWSINESS.

PRECAUTIONS:

Keep away from heat, sparks, pilot lights, welding operations and open flame.

Avoid breathing dust, vapors or mist.

Avoid contact with eyes, skin and clothing.

Do not swallow.

Do not eat, drink or smoke in areas where this material is used.

Wash thoroughly with soap and water after handling.

Do not reuse container. Product residues may remain. All labelled precautions MUST be observed.

Ground all equipment before use.

Never enter a pit or tank without following safety procedures – never alone, always with a lifeline, and always with a positive pressure supply of fresh air. Avoid use in confined spaces.

Before using, read Material Safety Data Sheet (MSDS) for this material.

FIRST AID

Eyes: IMMEDIATELY flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

Skin: Wash thoroughly with soap and water. Wash clothing before reuse. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

Inhalation: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: DO NOT INDUCE VOMITING. This material is not soluble. DO NOT GIVE FLUIDS. If spontaneous vomiting is inevitable, PREVENT ASPIRATION by keeping the victims head below the knees. GET IMMEDIATE MEDICAL ATTENTION. A qualified physician can perform gastric lavage only when the airway (trachea) has been secured to prevent aspiration.

IN CASE OF SPILL OR LEAK:

Evacuate unnecessary personnel and eliminate all sources of ignition.

Wear full protective equipment and clothing.

Contain spill and pump into marked container for reclamation or disposal.

FIRE:

Foam, dry chemical, carbon dioxide, water fog or spray.

HANDLING AND STORAGE:

Wear chemical safety goggles plus full face shield to protect against splashing when appropriate (ANSI Z87.1).

Wear chemical resistant gloves such as North Silver Shield® or Viton®. For limited use, PVC or nitrile gloves may be worn. Silver Shield is a registered trademark of Siebe North, Inc. Viton is a registered trademark of E.I. DuPont deNemours and Company, Inc.

Store in a cool, dry, well ventilated area away from incompatible materials.

Keep container tightly closed and properly labelled.

Dike storage tanks separately to contain 110% of tank volume.

DISPOSAL:

Always package, store, transport and dispose of all waste and contaminated equipment in accordance with all applicable federal, state, and local health and environmental regulations.

INFORMATION REQUIRED BY FEDERAL, STATE OR LOCAL REGULATIONS:

This Product Contains:

CAS #	NAME
98-56-6	Benzene, 1-chloro-4-(trifluoromethyl)-
VOC (g/l. by wt.): Negligible	

Contains no photochemically reactive material in accordance with Rule 443 of the South Coast Air Quality Management District.

HMIS RATING: HEALTH __1__ FLAMMABILITY __2__ REACTIVITY __1__

Prepared by: Albatross USA Inc.

Telephone number: 718-392-6272

Date: June 21, 2004

Revision Date: August 9, 2008

