



# SAFETY DATA SHEET

## SECTION 1 — IDENTIFICATION

**Product identifier:** Everblum Cleaning Fluid

**Product Number:** 1023

**Chemical Name:** PCBTF (para-Chlorobenzotrifluoride)

**Chemical Formula:** C<sub>7</sub>H<sub>4</sub>ClF<sub>3</sub>

**CAS Number:** 98-56-6

**Other designations:** p-Chloro-alpha, alpha, alpha-trifluorotoluene; p-Trifluoromethylphenyl chloride

**Manufacturer's name and address:** Refer to supplier

**Supplier name and address:**

### ***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 #:** Spill, leak, fire, exposure or accident – Call CHEMTREC – Day or Night  
1-800-434-9300 or 1-703-527-3887 (USA & Canada)  
01-800-681-9531 (Mexico)

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 — HAZARD(S) IDENTIFICATION

### **POTENTIAL HEALTH EFFECTS:**

**Target Organs:** Central nervous system, skeletal structures, bone.

**Primary Entry Routes:** Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### **HAZARDS IDENTIFICATION**

#### **2.1 Classification of the substance or mixture**

#### **GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids (Category 3), H226

Skin sensitization (Category 1), H317

Acute aquatic toxicity (Category 2), H401

Chronic aquatic toxicity (Category 2), H411

#### **GHS Label elements, including precautionary statements**

#### **Pictogram**



Signal word: Warning

Hazard statement(s)

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P242 Use only non-sparking tools

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P391 Collect spillage.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS – none**

**Acute Effects**

**Eye:** Causes eye irritation.

**Skin:** Causes skin irritation. May cause irritation and dermatitis. May cause cyanosis of the extremities.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Ingestion of large amounts may cause CNS depression. Ingestion of large amounts of fluoride may cause salivation, nausea, vomiting, abdominal pain, fever, labored breathing. Exposure to fluoride compounds can result in systemic toxic effects on the heart, liver, and kidneys. It may also deplete calcium levels in the body leading to hypocalcemia and death. Fluoride can reduce calcium levels leading to fatal hypocalcemia.

**Inhalation:** Causes respiratory tract irritation. May be harmful if inhaled.

**Chronic:** Chronic inhalation and ingestion may cause chronic fluoride poisoning (fluorosis) characterized by weight loss, weakness, anemia, brittle bones, and stiff joints. Chronic exposure to fluoride compounds may cause systemic toxicity.

**Carcinogenicity:** IARC, NTP, ACGIH, OSHA and CA Prop 65 do not list PCBTF as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:**

**SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS**

CAS #	Chemical Name	Percent	EINECS/ELINCS
98-56-6	PCBTF	>99	202-681-1

**Appearance/General Info:**

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs
PCBTF	None Listed	None Listed	2.5 mg/m <sup>3</sup> TWA (as dust listed under fluorides)

## SECTION 4 — FIRST AID MEASURES

**Eyes:** IMMEDIATELY flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** If swallowed, get medical aid immediately. Only induce vomiting if directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Notes to Physician:** Treat symptomatically and supportively.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

## SECTION 5 — FIRE FIGHTING MEASURES

**Flash Point:** 47° C (116.60° F)

**NFPA Classification:** Health – 2 Fire – 2 Reactivity – 1

**Autoignition Temperature:** >650° C (> 1,202.00° F)

**LEL:** 0.9 vol %

**UEL:** 10.5 vol %

**Flammability Classifications:** Will burn if involved in a fire.

**Extinguishing Media:** Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective, Do NOT use straight streams of water.

**Unusual Fire or Explosion Hazards:** Flammable liquid and vapour. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

**Hazardous Combustion Products:** Irritating and toxic fumes and gases.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode..

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Spill/Leak Procedures:** Eliminate all ignition sources. Ventilate area.

**Small Spills:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section.

### Large Spills

**Containment:** For large spills, dike far ahead of spill for later disposal. Do not release into sewers or waterways.

**Cleanup:** Avoid generating dusty conditions. Provide ventilation.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## SECTION 7 — HANDLING AND STORAGE

**Handling Precautions:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage Requirements:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

### Administrative Controls:

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye-and-face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations and washing facilities available in work area.

**Contaminated Equipment:** Remove contaminated clothes immediately. Dry completely before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Boiling Point:</b>	136-138°C @ 760.00 mmHg
<b>Color:</b>	clear, colorless	<b>Freezing/Melting Point:</b>	-36°C (-32.80° F)
<b>Odor:</b>	fish-like	<b>Decomposition Temperature:</b>	Not Available
<b>pH:</b>	Not Available	<b>Solubility in water:</b>	29 ppm (23° C)
<b>Vapor Pressure:</b>	Not Available	<b>Specific Gravity/Density:</b>	1.3530 g/cm <sup>2</sup>
<b>Vapor Density:</b>	6.23	<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>4</sub> ClF <sub>3</sub>
<b>Evaporation Rate:</b>	Not Available	<b>Molecular Weight:</b>	180.56
<b>Viscosity:</b>	0.67 cPs 38.00° C		

## SECTION 10 — STABILITY AND REACTIVITY

**Stability:** PCBTF is stable at room temperature in closed container under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization has not been reported.

**Chemical Incompatibilities:** Incompatible with dust generation, excess heat.

**Conditions to Avoid:** Incompatible materials, dust generation, excess heat, strong oxidants.

**Hazardous Decomposition Products:** Thermal oxidative decomposition of PCBTF can produce carbon dioxide and carbon monoxide gases.

## SECTION 11 — TOXICOLOGICAL INFORMATION

### Toxicity Data:\*

<p>RTECS:</p> <p>CAS # 98-56-6: Inhalation, mouse: LC50 = 20 Gm/m<sup>3</sup></p> <p>Inhalation, rat: LC50 = 22 gm/m<sup>3</sup></p> <p>Oral, mouse: LD50 = 11500 mg/kg;</p> <p>Oral, rat: LD50 = 13 gm/kg;</p>	<p>Epidemiology: No information available</p> <p>Teratogenicity: No information available</p> <p>Reproductive Effects: No information available</p> <p>Neurotoxicity: No information available</p> <p>Mutagenicity: No information available</p>
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\* See NIOSH, *RTECS(XS9145000)*, for additional toxicity data.

## SECTION 12 — ECOLOGICAL INFORMATION

### Toxicity

Toxicity to fish semi-state test LC50 – Danio rerio (zebra fish) – 3 mg/l – 96 h

Toxicity to daphnia and other aquatic invertebrates – EC50 – Daphnia magna (Water flea) – 2 mg/l – 48 h

Toxicity to algae NOEC – Pseudokirchneriella subcapitata (green algae) – 0.41 mg/l – 72 h

### Persistence and degradability

Biodegradability Result: - According to the results of tests of biodegradability, this product is not readily biodegradable.

### Bio-accumulative potential:

No data available.

### Mobility in soil:

No data available.

## SECTION 13 — DISPOSAL CONSIDERATIONS

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

### Disposal Regulatory Requirements:

### Container Cleaning and Disposal:

## SECTION 14 — TRANSPORT INFORMATION

### LAND TRASPORT (US DOT):

### DOT Proper Shipping Name:

**Chlorobenzotrifluorides, Limited Quantity\*** (for 16 oz. 32 oz. & 1 Gallon sizes only)

\***Limited Quantity Exemption:** This product in container sizes not over 5.0 Liters (1.3 gallons) net capacity each, packed in a strong out packaging, meets the exemption requirements of section 173.150 (49 CFR 173) as a limited quantity for ground shipments within the United States. Limited quantities require the limited quantity diamond mark on all out cartons.

In all sizes exceeding 5.0 Liters (1.3 gallons) net capacity:

**DOT Proper Shipping Name:**

**Chlorobenzotrifluorides, UN 2234, 3, PG III**

**AIR TRANSPORT:** We do NOT recommend this product to be shipped by air. It would need to be repacked by an authorized packing company and the DG would have to be completed by a licensed hazardous materials shipping company.

**US DOT:** (49.CFR 172.101)

**UN-No:** UN2234

**Proper Shipping Name:** Chlorobenzotrifluorides

**Hazard Class:** 3

**Packing Group:** III

**IMDG/IMO**

**UN-No:** UN2234

**PSN:** Chlorobenzotrifluorides

**Hazard Class:** 3

**Packing Group:** III

**IATA**

**UN-No:** UN2234

**PSN:** Chlorobenzotrifluorides

**Hazard Class:** 3

**Packing Group:** III

**IMDG/IMO**

**UN-No:** UN2234

**PSN:** Chlorobenzotrifluorides

**Hazard Class:** 3

**Packing Group:** III

## SECTION 15 — REGULATORY INFORMATION

**SARA 302 Components:**

No chemicals in this material are subject to the reporting requirements of SARA Title II, Section 302.

**SARA 313 Components:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312**

Fire Hazard, Acute Health Hazard

**Massachusetts Right to Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene

**New Jersey Right to Know Components**

4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene

**California Prop. 65 Components**

This product does not contain any chemicals known to the State of California to cause cancer, birth defect, or any other reproductive harm.

**European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 10 Flammable.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 9 Keep container in a well-ventilated place.

S 16 Keep away from sources of ignition – No smoking.

S 24/25 Avoid contact with skin and eyes.

S 28A After contact with skin, wash immediately with plenty of water.

S 33 Take precautionary measures against static discharges.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS # 98-56-6: 2

Canada

CAS # 98-56-6 is listed on Canada's DSL List

Canadian WHMIS Classifications: B3, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

CAS # 98-56-6 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS # 98-56-6 is listed on the TSCA Inventory.

## SECTION 16 — OTHER INFORMATION

### 16.1 HMIS RATINGS:

HEALTH: 2, FLAMMABILITY: 2, PHYSICAL HAZARD: 1, PERSONAL PROTECTION: X

#### HMIS KEY:

4 – EXTREME, 3 – HIGH, 2 – MODERATE, 1 – SLIGHT, 0 – INSIGNIFICANT, \* - CHRONIC HEALTH HAZARD, X – Ask Supervisor

### 16.2 EMPLOYEE TRAINING:

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as Stated in this SDS) before handling it.

**Prepared for:** Albatross USA Inc.

**Telephone number:** 718-392-6272

**Date of preparation:** 07/2013

**Date of revision:** 04/01/2019

### 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. Unless updated, this Material Safety Data Sheet is valid until 4/01/2022.