



**5. Fire-fighting measures****Suitable Extinguishing Media:**

Combustible material with Flash Point 46°C-50°C (closed cup) Use foam, dry chemical, water fog or spray only to cool, water jet spreads flames.

**Specific hazards arising from the substance or mixture:**

Decomposes on heating emitting toxic fumes (acidic hydrogen chloride & hydrogen fluoride, carbon monoxide, nitrogen oxides & smoke).

**Special protective equipment and precautions for fire-fighters:**

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire.

**6. Accidental release measures**

Recover for use if possible.

Ventilate the area. Avoid release to the environment

Absorb spillage to prevent material damage.

Dispose of according to regulations.

**7. Handling and storage**

**Handling-** Do not under any circumstances aerosolize this product. This product should only be dispensed by airless sprayers less than 50 psi with a particle size production of greater than 15 microns or a coarse spray device such as a trigger sprayer.

Wear suitable protective clothing, gloves and eye/face protection when mixing or using. Use in a well ventilated area. Do not store or use in confined spaces. Avoid breathing in spray, mists or vapours. Avoid eye contact. Avoid prolonged contact with the skin. Any exposure without protection should be prevented.

Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking, smoking or using toilet facilities.

**In Storage-** Keep only in original container. Store in a cool, dry environment, away from sources of ignition, heat & oxidizing agents

**8. Exposure controls and personal protection**

**Engineering Measures** NA

**Exposure Limits** NA

**Personal Protection**

**Respiratory Protection** Use air -purifying respirator if required.

**Eye Protection -** Wear safety glasses or splash proof goggles.

**Hand Protection -** Wear rubber or plastic gloves.

**Skin Protection-** Wear safety clothing, impervious to this material.

**9. Physical and chemical properties**

**Physical State:** liquid

**Flash Point (deg. C):-** 46-50

**Viscosity (cSt):** 1 cSt

**Specific Gravity (g/ml):** 1.2

**Vapour Density:** NA

**Lower Explosive Limit:** NA

**Solubility in Water:** Not Soluble in water

**Freezing point:** NA

**pH:** NA

**10. Stability and reactivity**

Stable under recommended storage and handling conditions (see section 7).

Do not mix with oxidizing agents, Acids, Alkalies & active metals.

**Incompatible materials:** Do not mix with oxidizing agents, Acids, Alkalies & active metals.

**Hazardous decomposition products:** thermal decomposition produces hydrogen chloride and hydrogen fluoride; decomposition temperature not known

**11. Toxicological information**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** Swallowing can result in nausea, vomiting, diarrhea & abdominal pain.

**Eye contact:** may irritate eyes.

**Skin contact:** may irritate skin if contact is prolonged.

**Inhalation:** may irritate respiratory passages; dizziness, drowsiness, in-coordination.

Acute toxicity: No LD50 data available for the product.

**12. Ecological information**

There are no data available on the product itself.

**13. Disposal considerations**

Wastes and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

When using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, as to whether the special waste regulations apply.

Dispose of waste material through a licensed contractor or facility.

**14. Transport information**

Road & Rail Transport		Air Transport	
<b>UN No.</b>	(CONSUMER COMMODITY) RETAIL DISTRIBUTION LOAD	<b>UN No.</b>	2234
<b>Hazard Class:</b>		<b>Hazard Class:</b>	3
<b>Packing Group</b>		<b>Packing Group</b>	3 (III)
<b>Shipping Name</b>		<b>Shipping Name</b>	Chlorobenzotrifluorides, solution
<b>Marine Pollutant</b>		<b>Marine Pollutant</b>	Not a marine pollutant

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

#### 15. Regulatory information

##### Canada Regulatory Information:

Canadian Domestic Substances List (CEPA/DSL): All component of this product are listed.  
Substance is classified according to Controlled Products Regulations (WHMIS) Classification: HAZARDOUS CHEMICAL OR PREPARATION

##### US Regulatory Information:

**TSCA Inventory:** All components of this product are listed on USA TSCA inventory.  
Substance is classified according to OSHA Hazard Communication Standard: HAZARDOUS CHEMICAL OR PREPARATION

##### Australia Regulatory Information:

Australian Inventory of Chemical Substances (AICS): All components of this product are listed.  
Substance is classified according to Safe Work Australia/GHS: HAZARDOUS CHEMICAL OR PREPARATION  
Poisons Schedule (SUSMP): S5 CAUTION

##### New Zealand Regulatory Information:

New Zealand Inventory of Chemicals (NZIoC): All ingredients are listed on or exempt from the NZIoC.  
Substance is classified in accordance with the Hazardous Substances and New Organisms (HSNO) regulations: HAZARDOUS CHEMICAL OR PREPARATION

HSNO Group Standard:

HSNO Approval Number:

##### European Union regulatory information:

EC inventory: All ingredients are listed on, or exempt from, the EC inventory.  
Substance is classified according to CLP/GHS: HAZARDOUS CHEMICAL OR PREPARATION

#### 16. Other information

**Date of preparation or revision of the safety data sheet:** January 1-2018

##### Acronyms:

**ACGIH:** American Conference of Governmental Industrial Hygienists  
**CCOHS:** Canadian Centre for Occupational Health and Safety  
**EST:** Estimated  
**EC inventory:** European Chemical Inventory  
**CLP:** Classification, Labeling & Packaging of substance & mixtures  
**NA:** Not Applicable  
**ND:** Not Determined  
**NE:** Not Established  
**OSHA:** Occupational Safety and Health Administration  
**PEL:** Permissible Exposure Limit  
**REL:** Recommended exposure limit  
**SUSMP:** Standard for the Uniform Scheduling of Medicines & Poisons  
**TLV:** Threshold Limit Value  
**TWA:** Time Weighted Average (TWA):  
**WHMIS:** Workplace Hazardous Materials Information System  
**CAS number:** Chemical Abstracts Service Registry Number  
**UN Number:** United Nations Number  
**HSNO:** New Zealand Hazardous Substances & New Organisms  
**NZIoC:** New Zealand Inventory of Chemicals

The information herein is, to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions of application are beyond our control, Aurora marine does not accept liability for any damages resulting from the use of, or reliance on, this information, in inappropriate contexts.

Your attention is drawn to the disclaimer on the Product Data Sheet which with this Safety Data Sheet and the package labeling comprise an integral information system about this product. Copies of the Product Data Sheet are available from Aurora Marine on request or from our Internet site: [www.auroramarine.com](http://www.auroramarine.com)