

KRISS PREMIUM PRODUCTS INC  
3400 E 42<sup>ND</sup> STREET  
MINNEAPOLIS, MN 55406

EMERGENCY NUMBERS:  
CHEM TREC (24 HRS) 1-800-424-9300  
INFORMATION: (612) 722-8485

**PRODUCT NAME:**

Trade Name: **BWT-847 STEAMLINER TREATMENT**

**SECTION 1: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

**HAZARDOUS COMPONENTS**

CYCLOHEXYLAMINE  
CAS #108-91-8

**TWA/TLV**

ACGIH THRESHOLD  
TWA 10 ppm

**SECTION 2: PHYSICAL / CHEMICAL CHARACTERISTICS**

**Boiling Point:** 225° F  
**Vapor Pressure (mm Hg):** N/D  
**Vapor Density (Air =1):** N/A  
**Solubility in Water:** COMPLETE

**Specific Gravity (H<sub>2</sub>O =1):** .91  
**Melting Point:** N/A  
**Evaporation Rate (Butyl =1):** N/A

**Appearance and Odor:** COLORLESS LIQUID, CHARACTERISTICS; FISHY AMINE ODOR.

**SECTION 3: FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** (Method): Non-flammable as supplied

**Flammability Limits:** LEL: Non-Flammable UEL: Non-Flammable

**Extinguishing Media:** DRY CHEMICAL, CO<sub>2</sub>, ALCOHOL FOAM AND WATER SPRAY.

**Special Fire Fighting Procedures:**

Wear Self contained breathing apparatus and impervious protective clothing.

**Unusual Fire Explosion Hazards:**

Emits irritating fumes. Stay upwind to avoid external and internal exposure to amine vapors. Sudden reaction may result when the product is mixed with strong oxidizing agents.

**NFPA Hazard Rating:** Health: 2 Fire: 1 Reactivity: 0 Special: --

**SECTION 4 – REACTIVITY DATA**

**Stability:** Stable

**Incompatibility:** Copper, Zinc, strong acids, strong oxidizers (such as: perchlorates, chromates, nitric acid, halogens and peroxides.)

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Ammonia, oxides of nitrogen, carbon dioxide and or carbon monoxide under combustion conditions.

KRISS PREMIUM PRODUCTS, INC.

BWT-847 STEAMLINER TREATMENT 1

## SECTION 5: HEALTH HAZARDS

**Routes of Entry:** Skin Contact, Eye contact, Inhalation and Ingestion

**Inhalation:** Inhalation can cause severe irritation of mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. May cause pulmonary edema, a medical emergency.

**Eye Contact:** Irritating and corrosive to eye tissue. May injure eye tissue if not immediately removed.

**Skin Contact:** Irritating and corrosive to the skin.

**Ingestion:** Moderately toxic. Gastric irritation and nausea can develop following ingestion. May cause burns of the mouth and throat. May cause central nervous system depression. Symptoms may include lethargy, drowsiness, staggering and sleepiness.

### First Aid:

**Eye Contact:** Remove contacts if applicable, Thoroughly flush with cool water for 20 minutes while propping eyelids open for maximum irrigation. Get medical attention immediately.

**Skin Contact:** Flush skin with copious amounts of water while removing contaminated clothing and shoes. Get medical attention. Thoroughly clean clothing and shoes before reuse.

**Ingestion:** If swallowed, **DO NOT** induce vomiting. Drink large amounts of water to dilute stomach contents. Obtain medical care **IMMEDIATELY**.

**Inhalation:** Move victim to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration.

## SECTION 6: SPECIAL PROTECTION INFORMATION

**Ventilation type:** mechanical (Explosion proof) Where permissible exposure limits are expected to be exceeded.

**Respiratory Protection:** If the exposure limit is exceeded, a NIOSH approved full face-piece respirator with organic vapor cartridge may be worn.

**Protective Gloves:** Rubber or neoprene.

**Eye Protection:** Protective goggles should be worn or face shield.

**Other Equipment:** Rubber apron. Rubber boots. Eyewash facilities should be available.

KRISS PREMIUM PRODUCTS INC  
3400 E 42<sup>ND</sup> STREET  
MINNEAPOLIS, MN 55406

EMERGENCY NUMBERS:  
CHEM TREC (24 HRS) 1-800-424-9300  
INFORMATION: (612) 722-8485

### **SECTION 7: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURE**

**Handling and Storage:** Keep container closed when not in use. Store in cool dry area away from heat, sparks or fire.

**Spill and Leak Procedure:** Remove all sources of ignition. Keep unauthorized personnel away from spill area. Wear safety gear during clean-up process. Contain and recover liquid when possible. Do not flush to sewer. Absorb with inert ingredients and shovel into labeled containers for proper disposal.

**Waste Disposal:** Make sure that all federal, state, and local regulations are observed.

### **SECTION 8 - REGULATORY INFORMATION**

**Proper Shipping Name:** UNCLASSIFIED BOILER TREATMENT

**Hazard Class:** NONE

**I.D. NUMBER:** NONE

**Label Requirements:** NONE

END OF FORM

*Date prepared: 06/09/01*

*The seller makes no warranty expressed or implied concerning the accuracy or any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.*