

# MSDS Document

## Product BOSS® 570 Condenser Coil Cleaner

### 1. Chemical Product and Company Identification

**Trade Name of this Product** BOSS® 570 Condenser Coil Cleaner

**Synonyms:** 02392RD07

**MSDS ID** BOSS570

**Manufacturer**

Accumetric, LLC  
350 Ring Road  
Elizabethtown, KY 42701

**Phone Number**

(270) 769-3385

**Emergency Phone**

CHEMTREC (800) 424-9300

**Revision Date** 2/20/2007

<b>Health:</b>	<b>2</b>
<b>Fire:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Specific</b>	<b>Acid</b>

### 2. Composition and Information on Ingredients

<b>Ingredient</b>	<b>CAS Number</b>	<b>Weight %</b>	<b>ACGIH TLV</b>	<b>PEL</b>	<b>STEL</b>
Ammonium Biflouride	1341-49-7	Proprietary %	2.5 mg/m		
Hydrogen Chloride	7647-01-0	Proprietary %	5 ppm	5 ppm	
Phosphoric Acid	7664-38-2	Proprietary %	1 mg/m	1mg/m	3 mg/m
Nonylphenol Surfactant	Proprietary	Proprietary %			

### 3. Hazard Identification

**Symptoms of Exposure**

Irritated eyes, skin and respiratory tract.

**Existing Conditions Aggravated by Exposure**

Skin contact with this product will aggravate any existing skin irritations.

**Note**

The above listed potential effects are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please

refer to Section 11 for detailed toxicology information.

#### 4. First Aid Information

##### Eye Contact

Immediately flush with water for 30 minutes.

##### Skin Contact

Wash affected area thoroughly with soap and water. Remove contaminated clothing and laundry before re-use. Get medical attention if irritation develops.

##### Inhalation

Remove patient to fresh air. Administer oxygen if breathing is difficult. Get medical attention if symptoms persist.

##### Ingestion

Do not induce vomiting. Give large quantities of milk. Seek medical attention immediately.

#### 5. Fire Fighting Measures

**Flash Point** None

##### Auto-ignition Temperature

Not determined

##### Upper Explosive Limit

Not determined

##### Lower Explosive Limit

Not determined

##### Extinguishing Media

Carbon Dioxide, Dry Chemical, Foam, Water Spray

##### Special Fire Fighting Procedures

Not considered a primary fire hazard. With all chemical fires, use self-contained breathing apparatus.

##### Unusual Fire & Explosion Hazards

Heated material will liberate corrosive and irritation fumes.

#### 6. Accidental Release Measures

##### Steps to be taken in case of spill or release

Contain spills with appropriate material to prevent entry into waterway or sewer. Wear all protective clothing as recommended in Section 8. Contain spill with absorbents and diking.

#### 7. Handling and Storage

##### Handling

Use with adequate ventilation. Acidic material - protect skin as much as possible.

**Storage**

Do not allow to freeze. Keep containers closed.

**Precautions for Repair & Maintenance of Contaminated Equipment**

Do not store near alkaline materials. Store between 34-120F.

**8. Exposure Controls and Personal Protection****OSHA Permissible Exposure Limit**

None established

**ACGIH Threshold Limit Value**

None established

**Eye Protection**

Use safety eye wear including safety glasses with side shields and chemical goggles where splashing may occur.

**Skin Protection**

If prolonged or repeated skin contact is likely, impervious gloves should be worn. Good personal hygiene practices should always be followed.

**Ventilation**

General exhaust recommended

**Respiratory Protection**

For confined space or vapor/mist operations - NIOSH

**Other Precautions**

Have emergency shower and eye wash available.

**9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid
<b>Specific Gravity</b>	1.09
<b>Color/Appearance</b>	Clear pink
<b>pH</b>	0 - 1
<b>Boiling/Cond. Point</b>	212F
<b>Solubility</b>	Complete
<b>Evaporation Rate</b>	None established
<b>Vapor Density</b>	Heavier than air
<b>Vapor Pressure</b>	> 1 mm Hg

**Note**

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

**10. Stability and Reactivity****Chemical Stability**

Stable

**Hazardous Polymerization**

Will not occur

**Materials to Avoid / Incompatibility**

Will react with many metals, alkalies, and organics.

**Hazardous Decomposition Products**

Hydrogen, chlorine and many others

**11. Toxicological Information**

**Carcinogen - NTP Program**

Not listed

**Carcinogen - IARC Program**

Not listed

**12. Ecological Information**

**Environmental Effects**

Complete information is not yet available.

**Environmental Fate and Distribution**

Complete information is not yet available.

**Fate and Effects in Waste Water Treatment Plants**

Complete information is not yet available.

**13. Disposal Considerations**

**Waste Disposal Method**

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations, but contains SARA regulated substances. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

**14. Transportation Information**

**Proper DOT Shipping Name**

Corrosive Liquids, Acidic, Inorganic, n.o.s., (Hydrochloric Acid, Ammonium Bifluoride)

**DOT Hazard Classification**

8/UN3264/PGII

## 15. Regulatory Information

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### **TSCA Status**

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **SARA Title III Section 302 Extremely Hazardous Substances**

None

### **SARA Title III Section 304 CERCLA Hazardous Substances**

Ammonium Bifluoride (1341-49-7)

Hydrochloric Acid (7647-01-0)

Phosphoric Acid (7664-38-2)

### **SARA Title III Section 313 Toxic Chemicals**

None present or none present in regulated quantities.

### **California Proposition 65**

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:

None known

### **New Jersey**

Ammonium Bifluoride (1341-49-7)

Hydrochloric Acid (7647-01-0)

Phosphoric Acid (7664-38-2)

### **Pennsylvania**

Ammonium Bifluoride (1341-49-7)

Hydrochloric Acid (7647-01-0)

Phosphoric Acid (7664-38-2)

## 16. Other Information

### **Disclaimer**

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.