

Coil Cleaner

Acid-free, safe organic salt coil cleaner

Trac Ecological is proud to introduce a revolutionary **TRULY GREEN** coil cleaner that is safe, nontoxic and biodegradable. Perfect for cleaning even the dirtiest condenser and evaporator coils, **Trac's GreenClean Coil Cleaner**[®] is also perfect for cleaning ice makers!

Trac's GreenClean Coil Cleaner[®] will not harm any of the metals commonly found in these systems, including **Cooper-Nickel!** A non-acidic blend of powerful, fast acting, biodegradable organic salts are specifically formulated to replace fuming acidic commonly found in most coil cleaning solutions.

Our Coil Cleaner features a unique non-foaming formula designed to penetrate coil beds for complete cleaning.

ADVANTAGES:

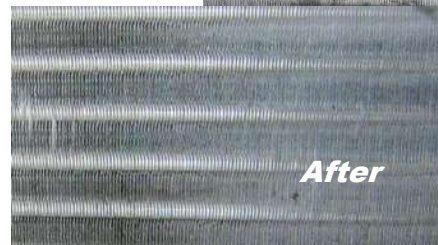
- ◆ **Acid Free** - Safe for all metals
- ◆ **One cleaner for all coils** - Simple, effective, and green!
- ◆ **Concentrated** - Dilute for most applications!
- ◆ **Saves Energy** - Independent testing proves clean coils reduce energy costs by 20%!
- ◆ **Truly Green**, this solution is non-toxic, biodegradable, safe to handle, and easy to dispose of.
- ◆ No dyes, fragrances, phosphates, phenols or toxic butyl cello solve .
- ◆ **Trac's GreenClean Coil Cleaner**[®] is safe for your maintenance personnel, only basic personal safety equipment is needed.

ECONOMICAL:

Trac's GreenClean Coil Cleaner[®] is highly concentrated and can be diluted. One gallon makes 1 to 5 gallons of ready-to-use cleaning solution. Experimentation may be needed to find the best dilution rate for each application.



Before



After

INSTRUCTIONS:

- 1) Unplug or shut off power to A/C equipment.
- 2) Brush off or vacuum excess debris from coil
- 3) Dilute up to 3:1 and pour solution into a sprayer and saturate coils. Spray coils on both sides and let soak for 1 to 5 minutes, **do not let dry.**
- 3) While waiting, remove top part of the condensing unit with the fan attached. Electrical components should be covered to keep them from getting wet.
- 4) After 1-5 minutes, saturate the coils again from the outside; let the coil cleaner soak for a few more minutes.
- 5) With a garden hose, spray coils so that water spays opposite the air flow. Never spray the coils on the soiled side as the water may pack the debris tighter into the coils rather than pushing it out. Repeat until your rinse water runs clear through the coils.
- 6) **EVAPORATOR COIL CLEANING** - it is often necessary to remove the evaporative unit before cleaning.

Availability

1 gallon , 5 gallon pail, 55 gallon drum
or a 250 gallon tote tank

ACID FREE NON-FUMING

VOC FREE TRULY GREEN

BIODEGRADABLE NON CORROSIVE



MATERIAL SAFETY DATA SHEET

COMPANY INFORMATION

Trac Ecological Marine Products & Services
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MSDS INFORMATION

Preparation Date: 05/08/2014
Supersedes: 7/29/2007
Prepared By: Security Committee
Phone: (954) 987-2722

PRODUCT INFORMATION

Product name/Number): **Trac's GreenClean Coil Cleaner 1224-I**
Trade Name –**Coil Cleaner**
Product Description: (product use): Non Acid coil cleaner

SECTION I – COMPOSITION / INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Unlisted ingredients are not "hazardous" per the OSHA standard and /or are not found on the WHMIS ingredient disclosure list.

Trac's Coil Cleaner uses an organic salt as an active ingredient.

Hazardous ingredients: All ingredients have been determined to be non hazardous.

FLAMMABILITY : <0 >
REACTIVITY : <0 >
HEALTH : <0 >

SECTION II – FIRE AND EXPLOSION HAZARD DATES

Inflammability : () yes (x) no
If yes, in which conditions?
Extinguishing media : water - foam - powder, dry chemical.
Special method : none
Flash point / method : none close cup
Flammability limits in air (% per volume) : N/D.
Temperature auto ignition(°F) : N/A
Class of flammability THD : N/D
Unusual fire and explosion hazard : At temperatures above 60 C/140 F acid action on most metals may release hydrogen.
Explosion data : none
Sensibility of chemical impact : none
Combustion rate : N/A
Sensibility of electrostatic discharge : N/A

SECTION III- PHYSICAL CHARACTERISTICS

Physical state : () GAS (x) LIQUID () SOLID
Appearance : Clear amber liquid
Threshold odor : N/A
Density : 10.1 Lbs./gal
Evaporation rate : Same as water
Boiling point : 100° C/212° F
Freezing point (°F) : -30° C
Solubility in water (70°F) : Complete
pH : 1



SECTION IV - TRANSPORTATION INFORMATION

U.S. Department of Transportation; NOT REGULATED

International:
Proper Shipping Name: Corrosive Liquid, N.O.S.
Hazard Class: 8
UN Number: UN1760
Packing Group: III

SECTION V – REACTIVITY DATA

Stability Considerations: Stable up to 110° C/ 230° F
Conditions to Avoid for Stability: Heating above 110° C results in an exothermic decomposition with rapid release of CO2 gas.
Incompatibility (Materials to avoid): Avoid contact with oxidizers. Materials such as sulfides and sulfites which could release toxic gases, and be cautious in mixing with strong Alkali bases because high heat of reaction can generate steam.
Hazardous Decomposition Materials: Thermal decomposition may yield oxides of carbon, nitrogen and chlorine. Hydrogen gas may be released upon contact with certain metals.
Hazardous Polymerization: None
Conditions to Avoid for Polymerization: None described

SECTION VI – POTENTIAL HEALTH EFFECTS

Eyes: Eye contact with liquid product may cause irritation.
Skin: Prolonged or repeated contact with liquid product may cause light irritation.
Inhalation: Exposure to vapors in poorly ventilated areas may cause light irritation of the nose.
Ingestion: Not an anticipated route of exposure. Small amounts are not anticipated to be harmful.

SECTION VII – TOXICITY DATA

Chronic effects of exposure to the product	: none
Irritations	: none
Exposition limit	: see section II
CL50 of product	: N/A
Sensibility	: N/A
Synergic Material	
- Carcinogenicity effects	: none
- Harmful effects of reproduction	: none
- Teratogenes effects	: none
- Mutageny effects	: none

SECTION VIII - FIRST AID MEASURES

Skin: Immediately flush with mild soap and water for 15 minutes
Eyes: rinse with water for a few minutes, if irritation persist consult a physician
Ingestion: Do not induce vomiting. Drink 3-4 glasses of water to dilute and consult a physician.
Inhalation: Move to fresh air.

SECTION IX – SPILL OR LEAK PROCEDURES

Small Spills: Spill and lead disposal procedure. Rinse with water
Large Spills: Should be absorbed by dirt or other absorbents for disposal. Must conform to Federal, State and Municipal regulations.

SECTION X - PERSONAL PROTECTION

Protection equipment:	- gloves	: rubber gloves
	- respiration protection	: none
	- eyes protection	: goggle
	- shoes	: normal
	- clothing	: normal
	- control mechanic device	: none

SECTION XI – SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Store drums away from excessive heat.