



# MIRACOIL

Deoxidizes & Restores Air Conditioner Coils

### DESCRIPTION

Electric company studies show conservation of electricity and savings in cost of operating air conditioners of 28%-30% by just cleaning and deoxidizing the condenser coil - and that can be quick and easy with MIRACOIL because the condenser coil is on the outside of the unit and MIRACOIL is formulated especially for this purpose.

### BENEFITS

**EASY TO USE** - Just spray on. Allow a few minutes to penetrate. No rubbing or scrubbing. Rinse with clear water.

**CONSERVES ELECTRICITY** - That's good environmentally and saves money.

**LENGTHENS LIFE OF THE A/C** - The less it is called on to cool, the less wear and tear on the operating parts.

**NON-ACID** - The only other products we know of for this purpose contain hydrofluoric acid that is extremely hazardous to use.

### HOW TO USE

There's nothing to adjust or even touch inside the unit. Just spray on MIRACOIL and watch. The formula reacts with any build-up of corrosion to create a foam that penetrates the fins of the coil and literally floats soil to the surface. Then, rinse with plain water and return the unit to service.



### SPECIFICATIONS

APPEARANCE.....	Clear Blue Liquid
ODOR.....	Citrus
SPECIFIC GRAVITY.....	1.100
DENSITY.....	9.17 lbs/gal
BOILING POINT.....	Near 212F°
pH.....	>14
FLASH POINT.....	None to boiling
STABILITY.....	One year minimum

PRODUCT CODE.....MR2

# MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

KEY CODE 010

## SECTION 1 - PRODUCT IDENTIFICATION

Distributor TrueKleen a division of The Bullen Companies	Emergency Phone 800-444-8900
Address 1640 Delmar Drive Folcroft, PA 19032	
Trade Name MIRACOIL AIR CONDITIONER CLEANER	Product Type Air Conditioner Coil Cleaner

## SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO.	PERCENT(optional)	TLV(Source)
Sodium Hydroxide	1310-73-2		2ma/m3(ceiling)(OSHA); 2ma/m3 (ceiling)(ACGIH)

Other ingredients in this product are :  Less than 1% by weight or less than 0.1% for carcinogens  Not hazardous  Declared to be Trade Secret

## SECTION 3 - PHYSICAL DATA

Boiling point(°F.) near 212	Specific Gravity(H <sub>2</sub> O=1.0) (± 0.005) 1.100	pH (± 0.5) Over 14
Vapor Pressure(mm Hg) Unknown	Vapor Density(Air=1) Unknown	
Solubility in water <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slight (or Partial)		
Evaporation Rate(vs. H <sub>2</sub> O) <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same		
Appearance and Odor Liquid, citrus odor		

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point(T.C.C.) °F. <input checked="" type="checkbox"/> None to Boiling	Flammable Limits Upper Unknown Lower Unknown
Extinguishing Media CO <sub>2</sub> , dry chemical, foam, water sorav.	
Special Firefighting Procedures Do not enter confined fire-spaces without protective clothing and self-contained air supply.	
Unusual Fire and Explosion Hazards None known.	

## SECTION 5 - REACTIVITY DATA

Stability Stable	Incompatibility Strong oxidizers
Hazardous Decomposition Products Carbon monoxide and other unidentified organic gases may occur during incomplete combustion.	

## SECTION 6 - HEALTH HAZARDS

Primary Routes of Exposure <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Other	
Signs and Symptoms of Overexposure (Acute) Prolonged or repeated contact of concentrated product with skin and/or eyes can cause chemical burns. If taken internally, concentrated product may cause damage to mouth, throat or stomach. Inhalation of mist or spray may cause irritation to nose, throat or lungs if adequate ventilation is not employed.	
Signs and Symptoms of Overexposure(Chronic) None known	
Medical Conditions Aggravated by Overexposure None known	Carcinogen/Suspect Carcinogen Ingredients <input type="checkbox"/> NTP <input type="checkbox"/> OSHA <input type="checkbox"/> IARC <input checked="" type="checkbox"/> NONE

## SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes Flush immediately with water for at least 15 minutes. Call a physician.
Skin Flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing/ shoes. Call a physician. Wash clothing before reuse.
Ingestion If swallowed do NOT induce vomiting. Give large quantities of water, followed by one oz. of vinegar in an equal amount of water. Call a physician.
Inhalation No known ill effects from inhalation. If breathing becomes difficult, remove exposed person to fresh air. Treat symptomatically and investigate other possibilities.

## SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection Not needed under normal conditions of use.
Ventilation Requirements <input checked="" type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Room Ventilation Is Adequate
Protective Gloves Rubber Eye Protection Safety glasses/goggles Other Protective Clothing May be needed where likely exposure may occur

## SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled Small spills: flush area with water. Neutralize spill with dilute acids. Large spills: Remove as much material as possible, then neutralize residue as under small spills.
Waste Disposal Methods Dispose of in accordance with applicable Federal, State and Local ordinances.

## SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage Do not get in eyes, on skin, on clothing. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.
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The health hazards given on the Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of over exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure to the product, under normal conditions of use.

DATE PREPARED  
10/7/2011