

COBRA

CONDENSER COIL CLEANER

DESCRIPTION

COBRA condenser coil cleaner is an alkaline-based formula sprays through coils as a liquid. After 20 to 30 seconds, it begins to foam heavily pushing contaminants and oxides to the surface to be easily rinsed away. Biodegradable, phosphate free and USDA authorized.

APPLICATIONS

An excellent product for air conditioners, central cooling systems, refrigeration systems and auto air conditioners. For use in hotels/motels, homes, office buildings, air conditioner services, and auto repair services.

FEATURES & BENEFITS

- Improves heat exchange efficiency
- Premium alkaline-based, non-acid formula
- Reduced fuming & odorless
- Delayed heavy foaming action
- VOC content is 0%

SPECIFICATIONS

<p>FORM: Water-Based Liquid ODOR: Bland COLOR: Yellow Liquid DETERGENCY: Excellent TOXICITY: 2 mg/m³ WETTING ABILITY: Saturates STORAGE STABILITY: 1 Year + COLD STABILITY: 32°F PHOSPHATES: None</p>	<p>FLASH POINT: N/A FLAME EXTENSION: N/A SOLUBILITY IN WATER: Complete SPECIFIC GRAVITY: 1.25 % VOLATILE BY VOLUME: 69% pH: 13+ PROPELLANT: N/A EVAPORATION RATE: Slow BIODEGRADABILITY: Yes</p>
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LABEL INFORMATION

COBRA CONDENSER COIL CLEANER

Cobra is a non-acid, alkaline based cleaner. Its superior surfactants generate a heavy foaming action that holds metal ions in solution, while pushing the dirt and grease to the outer surface of the coil where it can be easily rinsed with water. Cobra dissolves grease and removes oxides and contaminants on the metal surface, leaving the finned coils smooth and bright. Exceptional performance results in improved heat exchange efficiency and decreased power consumption. Authorized by the USDA for use in federally inspected meat and poultry establishments.

A specially formulated heavy foaming alkaline cleaner that has the following advantages:

- Increased foaming, brightening & cleaning
- Provides greater safety for service personnel during application
- Reduced fuming
- Biodegradable & Phosphate Free

READ ALL DIRECTIONS AND PRECAUTIONS CAREFULLY BEFORE USING THIS PRODUCT

For use by qualified maintenance and service personnel only.

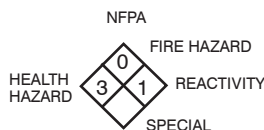
DIRECTIONS: Goggles, gloves and other protective clothing should be worn when using this product. Turn off system. Dilute 1 part COBRA with 3 or 4 parts water. Add water to a low pressure tank sprayer, then add cleaner. Concentration can be increased or decreased depending on job requirements. Spray solution directly onto coil, starting at the bottom, saturating thoroughly. Rinse thoroughly after foaming has ceased. Allow longer contact for the removal of heavier grease accumulation. KEEP FROM FREEZING.

DANGER: Causes severe skin burns and eye damage. May be corrosive to metals. Do not breathe mists. Wash hands thoroughly after handling. Wear protective gloves, eye protection, protective clothing. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents and container in accordance with local, state, and national regulations. Keep only in original container. Absorb spillage to prevent material damage. Store in a corrosive resistant container with a resistant inner liner.

CONTAINS (CAS#): Water (7732-18-5), Caustic Soda (1310-73-2), Sodium Gluconate (527-07-1).



HEALTH	3
FLAMMABILITY	0
REACTIVITY	1
PERSONAL	C



PACKAGING INFORMATION

Available in 5 and 6 gallon pails, 55 gallon drums and 4x1 square gallons

Safety Data Sheet

Cobra

SECTION I - IDENTIFICATION

PRODUCT NAME: Cobra
PRODUCT CODE: 6601
PRODUCT USE: Condenser Coil Cleaner
COMPANY NAME: The Green Chemical Store Inc
COMPANY ADDRESS: PO Box 624 Brenham, TX 77834
COMPANY PHONE: 1-800-231-0454 and 972-429-1719
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Skin Corrosive: Category 1B

Eye Damage: Category 1

Corrosive to Metals

HAZARD STATEMENT(S): DANGER: Causes Severe skin burns and eye damage. May be corrosive to metals.

This product contains the following percentage of chemicals of unknown toxicity: 3%

PRECAUTIONARY STATEMENTS: Do not breathe mists. Wash hands/gloves thoroughly after handling. Wear protective gloves, eye protection, protective clothing. If swallowed: rinse mouth, do NOT induce vomiting. If on skin (or hair): take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents and container in accordance with local and national guidelines. Keep only in original container. Absorb spillage to prevent material damage. Store in a corrosive resistant container.



SYMBOL:

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Sodium Hydroxide	1310-73-2	10-30%
Sodium Gluconate	527-07-1	1-5%

SECTION IV - FIRST AID MEASURES

EYES: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

INGESTION: If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical attention.

INHALATION: If inhaled: Remove person to fresh air and keep comfortable for breathing.

SKIN: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

ACUTE HEALTH HAZARDS: Causes sever burns.

CHRONIC HEALTH HAZARDS: Skin disorders, drying and irritation of the skin.

NOTE TO PHYSICIAN: The absence of visible signs or symptoms of burns does not reliably exclude the presence of actual tissue damage.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Non-combustible. Water spray may be used to keep fire exposed containers cool.

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SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state and federal regulations.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

RCRA STATUS: Product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool, dry area away from extremes of temperature. Keep container tightly sealed when not in use. Keep out of the reach of children. Store locked up.

INCOMPATIBILITY: Strong acids

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Sodium Hydroxide	2 mg/m ³	2 mg/m ³
Sodium Gluconate	Not Established	Not Established

ENGINEERING CONTROLS / VENTILATION: Provide adequate ventilation to keep vapor concentration below TLV.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, Gloves, and Synthetic apron.

ADDITIONAL MEASURES: Wash contaminated clothing before reuse. Wash hands thoroughly after handling.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Yellow Liquid

ODOR: Characteristic Odor

ODOR THRESHOLD: N/D

BOILING POINT: N/D

FREEZING POINT: < 32°F (0°C)

FLAMMABILITY: Not considered a flammable liquid by OSHA (29CFR 1910.1200)

FLASH POINT: N/D

AUTOIGNITION TEMPERATURE: N/D

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

VAPOR PRESSURE (mm Hg): 23.8 mmHg @ 77°F (25°C)

VAPOR DENSITY (AIR=1): 1

EVAPORATION RATE: < 0.8 (Slow)

SPECIFIC GRAVITY (H₂O=1): 1.26

pH: >13

SOLIDS (%): N/D

SOLUBILITY IN WATER: 100%

PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D

VOLATILITY INCLUDING WATER (%): 76%

VOLATILE ORGANIC COMPOUNDS (VOC): 0%

DIELECTRIC STRENGTH (Volts): N/A

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY: Chemically active metals and acids

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Chlorine liberating material. Do not mix with bases, ammonia or other cleaning compounds.

INCOMPATIBILITY: Strong acids

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HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon

POSSIBLE HAZARDOUS REACTIONS: Will not occur

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Sodium Hydroxide** (1310-73-2) LD₅₀ (Oral, Rabbit) 400 mg/kg **Potassium Hydroxide** (7732-18-5) LD₅₀ (Dermal, Rabbit) > 2 g/kg, LD₅₀ (Oral, Rabbit) 500-700 mg/kg

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes severe burns, stinging, redness, tearing, swelling, and may cause corneal damage, blindness. Burning may not be immediately painful or visible.

INGESTION: Causes gastrointestinal irritation, nausea, vomiting, abdominal cramps.

INHALATION: Causes irritation to the respiratory tract, coughing, shortness of breath.

SKIN: Causes burns to all living tissue.

MEDICAL CONDITION AGGRAVATED: Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS: Causes sever burns.

CHRONIC HEALTH HAZARDS: Skin disorders, drying and irritation of the skin.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: **Sodium Hydroxide** (1310-73-2) LC₅₀ (Bluegill Sunfish, 48hr) 99 mg/L; (Mosquito Fish 96hr) 125 mg/L; (Brown Shrimp, 48hr) 30-100 mg/L; (Brook Trout, 24hr) 25 ppm **Potassium Hydroxide** (1310-58-3) LC₅₀ (Mosquito Fish, 24hr) 80 mg/L

BIODEGRADABILITY: This product is biodegradable.

BIOACCUMULATION: This product is not expected to bioaccumulate.

SOIL MOBILITY: This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS: None Known

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

RCRA STATUS: Product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Caustic alkali liquid, n.o.s.

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1719

PACKAGING GROUP: II

AIR SHIPMENT

PROPER SHIPPING NAME: Caustic alkali liquid, n.o.s.

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1719

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Caustic alkali liquid, n.o.s.

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1719

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

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CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Sodium Hydroxide (1310-73-2)

Reporatable Quantity = 1,000 lbs

SARA 313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: California Proposition 65: None

INTERNATIONAL REGULATIONS: All components are listed or exempted.

NFPA HEALTH:	3	HMIS HEALTH:	3
NFPA FLAMMABILITY:	0	HMIS FLAMMABILITY:	0
NFPA REACTIVITY:	1	HMIS REACTIVITY:	1
NFPA OTHER:	None	HMIS PROTECTION:	C

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis

DATE PREPARED: 09/19/2013

REVISION DATE: 10/7/2014

N/A = Not Applicable; N/D = Not Determined

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