



Distributed by: The Green Chemical Store
Dallas Tx 75243
972-429-1719

Product # 6606

Technical Data Report

RATTLER EVAPORATOR COIL CLEANER

DESCRIPTION

RATTLER COIL CLEANER is an alkaline based coil cleaner, designed to penetrate coils and dissolve dirt and grime. Its non-foaming, professional grade formula tackles the tough tasks. No rinsing required when using on evaporator coils.

APPLICATIONS

For use on air conditioning split systems, mini splits, refrigeration systems, window units and electronic air cleaners.

FEATURES & BENEFITS

- Cleans evaporators and electronic air filters
- Dissolves grease, lint, dirt and nicotine

SPECIFICATIONS

FORM: Water-Based Liquid
ODOR: Bland
COLOR: Green
DETERGENCY: None
TOXICITY: Non-Hazardous
WETTING ABILITY: Excellent
STORAGE STABILITY: 1 Year +
COLD STABILITY: 32°F
PHOSPHATES: <3%

FLASH POINT: Not Tested
FLAME EXTENSION: N/A
SOLUBILITY IN WATER: 100%
SPECIFIC GRAVITY: 1.03
% VOLATILE BY VOLUME: 91%
pH: 12
PROPELLANT: N/A
EVAPORATION RATE: Slow
BIODEGRADABILITY: Yes

LABEL INFORMATION

RATTLER EVAPORATOR COIL CLEANER

RATTLER COIL CLEANER is an alkaline based coil cleaner, designed to penetrate coils and dissolve dirt and grime. Its non-foaming, professional grade formula tackles the tough tasks. No rinsing required.

DIRECTIONS: Refer to Safety Data Sheet before using. Goggles, gloves and other protective clothing should be worn when using this product. Turn system off. Dilute 1 part **RATTLER** with 3 to 6 parts water. Add water to a low pressure tank sprayer, then add cleaner. Concentration of cleaning solution may be increased or decreased depending on job requirements. Spray directly on coil, thoroughly saturating the coil. Allow solution to remain for 5 minutes, then resume normal operations.

CAUTION: Keep out of reach of children. Harmful if swallowed. Alkaline cleaner. Avoid contact with the eyes. **KEEP OUT OF REACH OF CHILDREN.** For Professional Use Only.

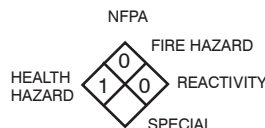
HANDLING: Do not get in eyes, on skin or clothing. Do not breathe mist or spray. Wash thoroughly after handling.

STORAGE: Use or store with adequate ventilation. Do not transfer to unmarked container. Keep container closed. Empty container may contain hazardous product residues. Loosen closure carefully. Do not expose to heat or store at temperatures above 120°F. **KEEP FROM FREEZING.**

FIRST AID: **EYES:** Immediately flush eyes with water for at least 30 minutes while lifting upper and lower eyelids. Do not use chemical antidote. Get medical attention immediately. **SKIN:** Immediately wash skin with soap and water for 15 minutes. Do not use chemical antidotes. If irritation persists or open sores develop, get immediate medical attention. Remove contaminated clothing and wash before reuse. Discard contaminated shoes. **INHALATION:** If affected, remove to fresh air. If not breathing, give artificial respiration and get immediate medical attention. If breathing is difficult, give oxygen and get medical attention. **INGESTION:** Seek immediate medical attention. **DO NOT** induce vomiting.

CONTAINS (CAS#): Water (7732-18-5), Sodium Metasilicate (6834-92-0), Trisodium Phosphate (10101-89-0).

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL	B



PACKAGING INFORMATION

Available in 4 x 1 gallons, 5 and 6 gallon pails, 55 gallon drums.

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SECTION I - IDENTIFICATION

PRODUCT NAME: Rattler
PRODUCT CODE: 6606
PRODUCT USE: Evaporator, Condenser, and Electronic Air Filter Cleaner
COMPANY NAME: The Green Chemical Inc
COMPANY ADDRESS: Dallas Tx 75243
COMPANY PHONE: 972-429-1719
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Eye Irritant: Category 2b
HAZARD STATEMENT(S): WARNING: causes eye irritation.
This product contains the following percentage of chemicals of unknown toxicity: 6%
PRECAUTIONARY STATEMENTS: Wash hands thoroughly after handling. 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 attention.
SYMBOL: N/A
HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Trisodium Phosphate	10101-89-0	1-5%
Sodium Metasilicate	6834-92-0	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 advice or attention.
INHALATION: If inhaled: Remove person to fresh air and keep comfortable for breathing.
SKIN: If on skin: Wash with plenty of water. If skin irritation occurs: get medical attention.
ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision
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.

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. place waste in proper containers for waste disposal.
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).

Safety Data Sheet

Rattler

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. Store locked up.

INCOMPATIBILITY: Strong acids

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Trisodium Phosphate	5 mg/m ³	3 mg/m ³
Sodium Metasilicate	Not Established	Not Established

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

RESPIRATORY PROTECTION: Not required with normal use.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves

ADDITIONAL MEASURES: Wash hands and clothing in contact with product after use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Green Liquid

ODOR: Bland 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): 1.03 @ 77°F (25°C)

pH: 12.0

SOLIDS (%): N/D

SOLUBILITY IN WATER: 100%

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

VOLATILITY INCLUDING WATER (%): 95%

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

HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon

POSSIBLE HAZARDOUS REACTIONS: Will not occur

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Trisodium Phosphate (7601-54-9) LD₅₀ (oral, rat) 4150 mg/kg; (dermal, rabbit) 7940 mg/kg

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes irritation, burning, redness, tearing.

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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 and eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision

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: Trisodium Phosphate (10101-89-0) - EC₅₀ (48hr Daphia Magna): >1000 mg/L LC₅₀ (96hr Bluegill sunfish): 440mg/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: Cleaning Compound, N.O.S.

HAZARD CLASS/DIVISION: None

UN/NA NUMBER: N/A

PACKAGING GROUP: None

AIR SHIPMENT

PROPER SHIPPING NAME: Cleaning Compound, N.O.S.

HAZARD CLASS/DIVISION: None

UN/NA NUMBER: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Cleaning Compound, N.O.S.

HAZARD CLASS/DIVISION: None

UN/NA NUMBER: N/A

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Trisodium Phosphate (10101-89-0)
Reportable Quantity: 5000lbs

SARA 311/312 HAZARD CATEGORIES: None

SARA 313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: California Proposition 65: None

INTERNATIONAL REGULATIONS: All components are listed or exempted.

NFPA HEALTH: 1

HMIS HEALTH: 1

NFPA FLAMMABILITY: 0

HMIS FLAMMABILITY: 0

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: B

Safety Data Sheet
Rattler

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis

DATE PREPARED: 09/20/2013

REVISION DATE: 10/16/2014

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

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