

MATERIAL SAFETY DATA SHEET: OSHA STANDARD 29 CFR 1910.1200

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Date: 11-01-05

Product Identifier: **Carbonex Coil Cleaner**

Manufacturers Part # RT300G

General Use: Heavy Duty Cleaner/Degreasing

Chemical Family: Highly Alkaline mixture

Manufacturer Refrigeration Technologies (www.refrigtech.com)
2572 Fender Ave Bldg "C"
Fullerton, CA 92831
Ph: (800) 869-1407, 714-870-8361
Fax: 714-526-4598
24 HR Emergency Phones: (800) 255-3924 Chem-Tel, Inc.
International: 813.248.0585

HAZARDOUS IDENTIFICATION

Hazardous Components	CAS#	OSHA PEL	ACHIH	TLV	WEIGHT %
Sodium Hydroxide	1310-73-2	2mg/m3	2mg/m3		20

HEALTH HAZARD DATA

HMIS: H=3, F=0, R=0, S=0

Immediate Concerns: DANGER: CORROSIVE, Causes burns, poisonous if ingested.

Eyes: Burning and Severe Irritation

Skin: Burning and Severe Irritation

Ingestion: Toxic, Poisonous, Burning

Inhalation: If heated, vapors are toxic.

Signs and Symptoms of Overexposure:

Eyes: Burning Sensation

Skin: Burning, Severe Burning

Ingestion: Poisonous

Inhalation: Irritating at elevated temperatures, burning in nasal and respiratory passages

Emergency and First Aid Procedures:

Eyes: Flush immediately with water for 15 minutes. If irritation persists, call physician

Skin: Wash off immediately with soap and water.

Ingestion: Drink large amounts of water. Call physician

Inhalation: Get person to fresh air. Call physician

FIRE AND EXPLOSION HAZARD DATA

NFPA Hazard Rating: H=3, F=0, R=1, S=0

Flash Point: None Flammable Limits: Not Tested

LEL: Not Tested UEL: Not Tested

Extinguishing Media: CO2, DRY FOAM, water fog

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Soak up with inert, absorbent material. Scoop up and place in a proper waste disposal container. Dispose of as a hazardous waste in accordance with federal, state and local regulations.

HANDLING AND STORAGE

Precautions to be taken in handling and storing: DANGER: CORROSIVE LIQUID. Store in a cool, dry place, out of direct sunlight. Do not freeze or heat above 120 F. Keep container closed. Have immediate access to water in case of contact.

Other precautions: KEEP OUT OF REACH OF CHILDREN

EXPOSURE/CONTROL MEASURES

Respiratory Protection: Open all doors and windows. If there is an exposure and it is above the TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required

Ventilation: Local Exhaust: If available Special: None

Mechanical: If available Other: None

Protective Gloves: Plastic or Rubber, Chemical Resistant - Highly recommended

Eye Protection: Glasses, Goggles- Highly recommended

Other Protective Clothing or Equipment: Wear protective clothing, apron, rubber boots, etc.

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Work Hygienic Practices: Have immediate access to rinse water, hose outlet or other source. Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business.

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point >212F	Specific Gravity: 1.17
Vapor Pressure: Not Tested	pH: >14
Vapor Density: Not Tested	Evaporation Rate: Not Tested
Solubility in Water: Complete	Appearance and Odor: Straw, Bland odor

STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: High temperatures
Incompatible Materials to Avoid: Strong Oxidizers, Strong Acids
Hazardous Decomposition or Byproducts: CO, CO₂
Hazardous Polymerization: Will not occur

TOXICOLOGICAL INFORMATION

Sodium Hydroxide: LD₅₀=500mg/kg oral rat
Eyes: Burning
Skin: Burning
Skin Absorption: Rapid tissue destruction
Inhalation: If heated, excessive inhalation of vapors can cause nasal and respiratory irritation and burning.
Ingestion: Poisonous
Chronic Effects: Pneumonitis

ECOLOGICAL INFORMATION

Product is composed of biodegradable ingredients. None of the components are known to have aquatic toxicity below 200ppm.

DISPOSAL CONSIDERATIONS

Dispose of as Hazardous Waste. Always follow Federal, State and Local codes before disposal of any chemicals. Consult with an expert in your area on proper disposal methods. Chemicals should never be allowed to enter sewers, watercourses or low areas without proper authorization. Empty containers should be thoroughly rinsed and offered for recycling.

TRANSPORTATION INFORMATION

DOT: Corrosive Liquids N.O.S (Contains: Sodium Hydroxide) UN 1760, Division 8, Packaging Group II
IMDG: Corrosive Liquids N.O.S (Contains: Sodium Hydroxide) UN 1760, Division 8, Packaging Group II
IATA: Do not ship by air. Submit product for repackaging by certified packager.

REGULATORY INFORMATION

SARA Title III: No compounds are listed
CERCLA: Reportable quantity is 1000 lb
TSCA: Components are listed on the TSCA Inventory
EPA RQ Ingredient: Sodium Hydroxide @ 1000 lb
California Prop 65: No reportable ingredients
VOC Content: 0 grams/liter

OTHER INFORMATION

NSF Registration Number 084269, Category P1
Manufacturer Disclaimer: This information relates to the specific materials designated herein and may not be valid for such materials used in combination with any other material. The information contained in this document is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information.

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Refrigeration Technologies