

Material Safety Data Sheet

Cobra

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REVISION DATE: 11/14/2013
CHEM-TEL: 800-225-3924
PRODUCT NUMBER: 5410

SECTION I - IDENTIFICATION

PRODUCT NAME: Cobra
PRODUCT CODE: 5410
PRODUCT USE: Coil and Fin Cleaner

SECTION II - COMPOSITION/HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	OSHA PEL	ACGIH TLV
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³
Potassium Hydroxide	1310-58-3	2 mg/m ³	2 mg/m ³
Propane/n-Butane	68476-86-8	1000 ppm	1000 ppm

SECTION III - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Danger: Causes Severe skin burns and eye damage. Pressurized container: May burst if heated.
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Causes severe irritation, burning, redness, tearing, pain, may cause lens or corneal damage.
INGESTION: Causes chemical burns, damage to mouth and esophagus with gastrointestinal irritation, nausea, vomiting.
INHALATION: Causes irritation to the respiratory tract, upper respiratory damage
SKIN: Cause redness, pain, and severe burns to skin. Concentrated solutions cause deep ulcers and discolor skin. Exposure to liquid, vapor, or mist causes severe skin irritation.
MEDICAL CONDITION AGGRAVATED: May aggravate pre-existing medical conditions.
CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION IV - FIRST AID MEASURES

EYES: Remove contact lenses. Flush with water for at least 15 minutes. Get immediate medical attention
INGESTION: Rinse mouth out with water. Do not induce vomiting. Seek medical attention.
INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.
SKIN: Immediately wash with water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek immediate medical attention.
NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION V - FIRE-FIGHTING MEASURES

FLASH POINT: Not Tested
FLAMMABLE LIMITS IN AIR, (% BY VOLUME) UPPER: N/A LOWER: N/A
AUTOIGNITION TEMPERATURE: N/A
EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.
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: Contact with some metals, particularly magnesium, aluminum, and galvanized zinc can generate hydrogen gas rapidly which is explosive.
HAZARDOUS COMBUSTION PRODUCTS: Alkaline vapors in fire.

Material Safety Data Sheet

Cobra

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL: Clean up using cloth or absorbent material. dispose of product-containing wiping cloth or absorbent paper in suitable manner. 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: Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Lock up and store in a cool, dry area. Keep containers tightly closed. Follow label directions.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: General ventilation recommended.

ADDITIONAL MEASURES: Wash hands immediately after use. Do not get on clothes or skin.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, Colorless Liquid

ODOR: Odorless

PHYSICAL STATE: Liquid

FREEZING POINT: < 32°F (0°C)

VAPOR PRESSURE (mm Hg): >18

VAPOR DENSITY (AIR=1): 1

EVAPORATION RATE: < 0.8 (Slow)

SPECIFIC GRAVITY (H2O=1): >1.04 @ 77° F (25° C)

pH: 13.5

SOLIDS (%): Not tested

SOLUBILITY IN WATER: 100%

VOLATILITY INCLUDING WATER (%): 73.5%

VOLATILE ORGANIC COMPOUNDS (VOC): 0%

SECTION X – STABILITY AND REACTIVITY DATA

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Do not mix with strong acids.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Sodium Hydroxide (1310-73-2) LD₅₀ (Oral, Rabbit) 400 mg/kg

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

Material Safety Data Sheet

Cobra

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: Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: ORM-D

UN/NA NUMBER: UN 1950

PACKAGING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Non-Flammable

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Non-Flammable

NOTE:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

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

Reportable Quantity = 1,000 lbs Potassium Hydroxide (1310-58-3) Reportable Quantity = 1,000 lbs

SARA 311/312 HAZARD CATEGORIES: Acute Health

SARA 313 REPORTABLE INGREDIENTS: None

NFPA HEALTH: 3

HMIS HEALTH: 3

NFPA FLAMMABILITY: 0

HMIS FLAMMABILITY: 0

NFPA REACTIVITY: 1

HMIS REACTIVITY: 1

NFPA OTHER: None

HMIS PROTECTION: B

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis

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