

Safety Data Sheet
Cobra

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Cobra
PRODUCT CODE: 5410
RECOMMENDED USE: Coil and Fin Cleaner
RESTRICTIONS ON USE:
COMPANY NAME: QuestSpecialty Corporation
COMPANY ADDRESS: PO Box 624, Brenham, TX 77834
COMPANY PHONE: 800-231-0454
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Skin Corrosive: Category 1B
Gases Under Pressure: Liquefied Gas
Corrosive to Metals: Category 1
Eye Damage: Category 1

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: 0%

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Do not breathe mists. Wash hands thoroughly after handling. Wear protective gloves and eye protection. 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.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Sodium hydroxide	1310-73-2	5-25%
Potassium hydroxide	1310-58-3	5-25%
Propane	74-98-6	1-5%
Butane	106-97-8	1-5%

Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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.

ACUTE HEALTH HAZARDS: Causes severe burns.

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

NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

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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: Contact with some metals, particularly magnesium, aluminum, and galvanized zinc can generate hydrogen gas rapidly which is explosive. Keep away from sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS COMBUSTION PRODUCTS: Alkaline vapors in fire.

SECTION VI – ACCIDENTAL RELEASE MEASURES

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

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 disposal.

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not reuse container; 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: Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS: Keep out of the reach of children.

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
Potassium hydroxide	2 mg/m ³	2 mg/m ³
Propane	1000 ppm	1000 ppm
Butane	Not Established	1000 ppm

ENGINEERING CONTROLS / VENTILATION: General ventilation recommended.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles and chemical resistant gloves.

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

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, Colorless Aerosol

ODOR: Odorless.

ODOR THRESHOLD: N/D

pH: 13.5

MELTING POINT/FREEZING POINT: N/D

INITIAL BOILING POINT AND BOILING RANGE: N/D

FLASH POINT: N/D

EVAPORATION RATE: N/D

FLAMMABILITY (solid/gas): Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200).

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

EXPLOSIVE LIMIT LOWER (%):

EXPLOSIVE LIMIT UPPER (%):

VAPOR PRESSURE (mm Hg): N/D

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VAPOR DENSITY (AIR=1): N/D

RELATIVE DENSITY (H₂O=1): >1.02 - 1.06 @ 77° F (25° C)

SOLUBILITY(IES): 100% water.

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

AUTOIGNITION TEMPERATURE: N/D

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: Chemically active metals and acids.

CHEMICAL STABILITY: Stable.

POSSIBLE HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: Do not mix with strong acids.

INCOMPATIBLE MATERIALS: Strong acids

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

SECTION XI – TOXICOLOGICAL INFORMATION

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

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 respiratory tract irritation, upper respiratory damage.

SKIN: Causes 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.

ACUTE HEALTH HAZARDS: Causes severe 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

ECOTOXICITY: **Sodium hydroxide** (1310-73-2): LC₅₀ (Bluegill sunfish, 48h) 99 mg/L; LC₅₀ (*Gambusia affinis*, 96h) 125 mg/L; LC₅₀ (Brown shrimp, 48h) 30 - 100 mg/L; LC₅₀ (Brook trout, 24h) 25 ppm; EC₅₀ (*Ceriodaphnia dubia*, 48h) 34.59 - 47.13 mg/L.

Potassium hydroxide (1310-58-3): LC₅₀ (*Gambusia affinis*, 96h) 80 mg/L.

PERSISTENCE AND DEGRADABILITY: Component or components of this product are expected to biodegrade over time.

BIOACCUMULATIVE POTENTIAL: Component or components in this product are not expected to bioaccumulate.

MOBILITY IN SOIL: N/D

OTHER ADVERSE EFFECTS: None known.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not reuse container; 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 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, flammable.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

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PACKING GROUP:

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP:

ENVIRONMENTAL HAZARDS WATER: N/A

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 pounds. Potassium hydroxide (1310-58-3) Reportable Quantity = 1,000 pounds.

SARA 311/312 HAZARD CATEGORIES: Acute Health.

SARA 313 REPORTABLE INGREDIENTS: None.

STATE REGULATIONS: California Proposition 65: None.

INTERNATIONAL REGULATIONS: All components are listed or exempted.

VOLATILE ORGANIC COMPOUNDS (VOC): 6%

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 - OTHER INFORMATION

PREPARATION BY: Craig Bernard

DATE PREPARED: 08/23/2013

REVISION DATE: 09/27/2024

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

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