

# Safety Data Sheet

Carbon Off

## SECTION I - IDENTIFICATION

**PRODUCT NAME:** Carbon Off  
**PRODUCT USE:** Carbon Remover  
**COMPANY NAME:** QuestVapco Corporation  
**COMPANY PHONE:** 1-800-231-0454

**PRODUCT CODE:** 10101, 10102, 10632, 11216  
**COMPANY ADDRESS:** PO Box 624 Brenham, TX 77834  
**EMERGENCY PHONE:** 800-255-3924

## SECTION II – HAZARDS IDENTIFICATION

**CLASSIFICATION:** Skin Corrosive: Category 1B  
Eye Damage: Category 1  
Carcinogenicity: Category 2  
Specific Target Organ Toxicity (Repeated Exposure): Category 2  
Reproductive Toxicity: 1B  
Corrosive to Metals

**HAZARD STATEMENT(S): DANGER:** Causes Severe skin burns and eye damage. Suspected of causing cancer. May cause damage to eyes and kidneys through prolonged or repeated exposure. May damage fertility or the unborn child. May be corrosive to metals.

This product contains the following percentage of chemicals of unknown toxicity: 4%

**PRECAUTIONARY STATEMENTS:** Do not breathe mists or vapors. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed, concerned, or feel unwell: Get medical advice or attention.



SYMBOL:

**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

## SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
2-Butoxyethanol	111-76-2	1-5%
Ammonium Hydroxide	1336-21-6	1-5%
Ethyl Alcohol	64-17-5	3-7%
Methyl Alcohol	67-56-1	1-5%
Methylene Chloride	75-09-2	60-100%
Toluene	108-88-3	1-5%
Petroleum Sulfonic Acid Sodium Salts	68608-26-4	1-5%

## SECTION IV - FIRST AID MEASURES

**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:** Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

**INHALATION:** 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 severe burns.

**CHRONIC HEALTH HAZARDS:** Dermatitis may occur due to long-term irritation. Eye and Kidney damage.

**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:** Dry chemical, carbon dioxide, and alcohol foam.

**UNSUITABLE EXTINGUISHING MEDIA:** Water spray/stream.

**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. Avoid breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** 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:** Phosgene, Hydrogen Chloride Gases & Nitrogen and Carbon oxides.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

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

**SPILL:** Remove any source of heat, flame, or sparks. Evacuate affected area. Mop up with appropriate absorbent material. Avoid breathing fumes ventilate area. Dispose of residue in accordance with federal, state and local guidelines.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

**RCRA STATUS:** Waste solvent likely considered F001, hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Store locked up. Keep container tightly closed.

**OTHER PRECAUTIONS:** Keep out of the reach of children. Follow label directions exactly. Vapors may collect in low lying areas.

**INCOMPATIBILITY:** May attack certain plastics, rubber, & coatings. Incompatible w/ strong oxidizers & caustics, chemically active metal, such as Aluminum, magnesium powder, sodium, potassium, and lithium.

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
2-Butoxyethanol	50 ppm	20 ppm
Ammonium Hydroxide	50 ppm	20 ppm
Ethyl Alcohol	1000 ppm	1000 ppm
Methyl Alcohol	200 ppm	200 ppm
Methylene Chloride	25 ppm	50 ppm
Toluene	100 ppm	50 ppm
Petroleum Sulfonic Acid Sodium Salts	N/A	10 ppm

**ENGINEERING CONTROLS / VENTILATION:** Local ventilation/exhaust adequate to maintain vapor concentrations below PEL/TLV

**RESPIRATORY PROTECTION:** N/A

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses and chemical resistant gloves

**ADDITIONAL MEASURES:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Pale Yellow Liquid

**ODOR THRESHOLD:** N/D

**FREEZING POINT:** N/D

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

**FLASH POINT:** N/D

**LOWER FLAMMABILITY LIMIT:** N/D

**VAPOR PRESSURE (mm Hg):** >100

**EVAPORATION RATE:** >2

**pH:** N/A

**ODOR:** Ammonia odor

**BOILING POINT:** > 140°F

**AUTOIGNITION TEMPERATURE:** N/D

**UPPER FLAMMABILITY LIMIT:** N/D

**VAPOR DENSITY (AIR=1):** >2

**SPECIFIC GRAVITY (H2O=1):** 1.17

**SOLIDS (%):** N/D

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**SOLUBILITY IN WATER:** 0%  
**VOLATILITY INCLUDING WATER (%):** 95%  
**DIELECTRIC STRENGTH (Volts):** N/D  
**VISCOSITY:** 250cps

**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D  
**VOLATILE ORGANIC COMPOUNDS (VOC):** 16%  
**DECOMPOSITION TEMPERATURE:** N/D

### SECTION X – STABILITY AND REACTIVITY DATA

**REACTIVITY:** Chemically active metals and acids

**CHEMICAL STABILITY:** Stable

**CONDITIONS TO AVOID:** Excessive heat. Sources of ignition.

**INCOMPATIBILITY:** May attack certain plastics, rubber, & coatings. Incompatible w/ strong oxidizers & caustics, chemically active metal, such as Aluminum, magnesium powder, sodium, potassium, and lithium.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Phosgene, Hydrogen Chloride Gases, Nitrogen & Carbon oxides.

**POSSIBLE HAZARDOUS REACTIONS:** None Known

### SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION: Methylene Chloride (75-09-2)** LD<sub>50</sub> (Oral, Rat) 1600 mg/kg; LC<sub>50</sub> (Inhalation, Rat) 52 gm/m<sup>3</sup>  
**Toluene (108-88-3)** LD<sub>50</sub> (Oral, Rat) 636 mg/kg; LD<sub>50</sub> (Dermal, Rabbit) 14,100 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 4hrs) 49,000 mg/m<sup>3</sup>

**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin

**EYES:** Causes irritation, redness, temporary eye damage.

**INGESTION:** Causes gastrointestinal irritation, nausea, vomiting, absorption through the gastrointestinal tract may produce symptoms of CNS depression ranging from light headedness to unconsciousness. Contains Methanol which can cause blindness and or death.

**INHALATION:** May cause irritation to the respiratory tract, headaches, nausea, vomiting, lungs, and may cause fatigue. Excessive or prolonged exposure may cause dizziness and unconsciousness.

**SKIN:** Causes mild irritation, dryness, localize defatting.

**MEDICAL CONDITION AGGRAVATED:** Excessive exposure will aggravate pre-existing skin disorders, respiratory, liver, kidney, cardiovascular or pulmonary illnesses.

**ACUTE HEALTH HAZARDS:** Causes severe burns.

**CHRONIC HEALTH HAZARDS:** Dermatitis may occur due to long-term irritation. Eye and Kidney damage.

**CARCINOGENICITY: OSHA:** Yes **ACGIH:** A2 - Suspected **NTP:** 1 - Known Carcinogen **IARC:** 1 - Human **OTHER:** CA Prop 65

### SECTION XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION: Methylene Chloride (75-09-2)** Fish: Bluegill/Sunfish: 230mg/L; 24H; StaticFish: Fathead Minnow: 196mg/L; 96H; has a moderate potential to affect some aquatic organisms. It is resistant to biodegradation, has low potential to persist in the aquatic environment. 96-hr. EC<sub>50</sub> (loss of equilibrium); Fathead minnow: 99mg/L; 96-hr. EC<sub>10</sub>: 66.3 mg/L. Bluegill sunfish: 96-hr. LC<sub>50</sub>=220 mg/L; Water flea: 24-hr. LC<sub>50</sub>=2270 mg/L; No observed effect level:1550 mg/L.

**BIODEGRADABILITY:** Component or components of this product are not biodegradable.

**BIOACCUMULATION:** Components in this mixture can bioaccumulate in aquatic organisms.

**SOIL MOBILITY:** This product is mobile in soil.

**OTHER ECOLOGICAL HAZARDS:** This material is toxic to aquatic life.

### SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

**RCRA STATUS:** Waste solvent likely considered F001, hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

### SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** For gallon size containers or larger: Corrosive liquid, toxic, n.o.s.

For containers smaller than a gallon: Cleaning compound, n.o.s.

**HAZARD CLASS/DIVISION:** 8 (6.1)

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**UN/NA NUMBER:** UN2922  
**PACKAGING GROUP:** II

## AIR SHIPMENT

**PROPER SHIPPING NAME:** Forbidden by USDOT Regulations  
**HAZARD CLASS/DIVISION:** N/A  
**UN/NA NUMBER:** N/A

## SHIPPING BY WATER:

**VESSEL (IMO/IMDG)**  
**PROPER SHIPPING NAME:** For gallon size containers or larger: Corrosive liquid, toxic, n.o.s.  
For containers smaller than a gallon: Cleaning compound, n.o.s.  
**HAZARD CLASS/DIVISION:** 8(6.1)  
**UN/NA NUMBER:** UN2922  
**ENVIRONMENTAL HAZARDS WATER:** Marine Pollutant

## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** All Chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** **Methanol** (67-56-1) Reportable Quantity = 5,000 lbs **Methylene Chloride** (75-09-2) Reportable Quantity = 1,000 lbs **Toluene** (108-88-3) Reportable Quantity = 1,000 lbs **Ammonium Hydroxide** (1336-21-6) Reportable Quantity = 1,000 lbs

**SARA 311/312 HAZARD CATEGORIES:** Methylene chloride - 75-09-2 - Acute: Yes Chronic: Yes Fire: No Reactivity: No Pressure: No

**SARA 313 REPORTABLE INGREDIENTS:** 2-Butoxy ethanol - 111-76-2, Methyl alcohol - 67-56-1, Methylene chloride - 75-09-2, Toluene - 108-88-3, Ammonium hydroxide - 1336-21-6

**STATE REGULATIONS:** This product contains a chemical known to the state of California to cause birth defects or other reproductive harm and cancer.

**INTERNATIONAL REGULATIONS:** Methylene Chloride - 75-09-2 - The components of this product are listed on the chemical inventories of the following countries: Australia - Hazchem. code 2Z, Poison Schedule S5, China, Europe (EINECS), Japan, Korea, Philippines, Canada. **WHMIS (Canada):** Class D-1B material causing immediate and serious toxic effects (toxic). Class D-2A: Material causing other toxic effects (very toxic). **DSCL (EEC):** R22 - Harmful if swallowed. R38-irritating to skin. R41-Risk of serious damage to eyes. R45- May cause cancer.

**NFPA HEALTH:** 2  
**NFPA FLAMMABILITY:** 1  
**NFPA REACTIVITY:** 0  
**NFPA OTHER:** None

**HMIS HEALTH:** 2  
**HMIS FLAMMABILITY:** 1  
**HMIS REACTIVITY:** 0  
**HMIS PROTECTION:** B

## SECTION XVI - ADDITIONAL INFORMATION

**PREPARATION BY:** Jonathon Jarvis

**DATE PREPARED:** 1/27/2014

**REVISION DATE:** 03/25/2015

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

**DISCLAIMER:** To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.