

Safety Data Sheet

Carbon Off

SECTION I - IDENTIFICATION

PRODUCT NAME: Carbon Off
PRODUCT CODE: 106190000
PRODUCT USE: Carbon Remover
COMPANY NAME: QuestVapco Corporation
COMPANY ADDRESS: PO Box 624 Brenham, TX 77834
COMPANY PHONE: 1-800-231-0454
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

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

HAZARD STATEMENT(S): DANGER: Extremely Flammable Aerosol Contains gas under pressure: May explode if heated. May be corrosive to metals. Causes Severe skin burns and eye damage. Suspected of causing cancer. Causes damage to eyes and Central nervous system through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child.

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

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 fume, mist, vapors, or spray. Do not eat drink or smoke when using this product. 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. Absorb spillage to prevent material damage. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed, concerned, or if you 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	.5-1.5%
Ethyl Alcohol	64-17-5	3-7%
Methyl Alcohol	67-56-1	1-5%
Methylene Chloride	75-09-2	40-70%
Toluene	108-88-3	1-5%
Petroleum Sulfonic Acid Sodium Salts	68608-26-4	1-5%
Propane/n-Butane	68476-86-8	10-30%

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.

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SKIN: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

ACUTE HEALTH HAZARDS: Eyes: Severe burns

Skin: Severe burns

Inhalation: Irritation

Oral: abdominal irritation, nausea, vomiting, diarrhea, blindness, and Central nervous system impairment

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

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

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: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up. Pressurized container: Do not pierce or burn, even after use.

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
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
Propane/n-Butane	1000 ppm	1000 ppm

ENGINEERING CONTROLS / VENTILATION: Ambient ventilation suitable, forced ventilation should not be required

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 Spray

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ODOR: Ammonia odor
ODOR THRESHOLD: N/D
BOILING POINT: > 140°F
FREEZING POINT: N/D
FLAMMABILITY: Extremely Flammable Aerosol
FLASH POINT: N/D
AUTOIGNITION TEMPERATURE: N/D
LOWER FLAMMABILITY LIMIT: N/D
UPPER FLAMMABILITY LIMIT: N/D
VAPOR PRESSURE (mm Hg): >100
VAPOR DENSITY (AIR=1): >2
EVAPORATION RATE: >2
SPECIFIC GRAVITY (H2O=1): 1.17
pH: N/A
SOLIDS (%): N/D
SOLUBILITY IN WATER: 0%
PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D
VOLATILITY INCLUDING WATER (%): 92%
VOLATILE ORGANIC COMPOUNDS (VOC): 92%
DIELECTRIC STRENGTH (Volts): N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: 250cps

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) LD₅₀ (Oral, Rat) 1600 mg/kg; LC₅₀ (Inhalation, Rat) 52 gm/m³
Toluene (108-88-3) LD₅₀ (Oral, Rat) 636 mg/kg; LD₅₀ (Dermal, Rabbit) 14,100 mg/kg; LC₅₀ (Inhalation, Rat, 4hrs) 49,000 mg/m³
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: Eyes: Severe burns
Skin: Severe burns
Inhalation: Irritation
Oral: abdominal irritation, nausea, vomiting, diarrhea, blindness, and Central nervous system impairment
CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation. Liver 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

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potential to persist in the aquatic environment. 96-hr. EC₅₀ (loss of equilibrium); Fathead minnow: 99mg/L; 96-hr. EC₁₀: 66.3 mg/L. Bluegill sunfish: 96-hr. LC₅₀=220 mg/L; Water flea: 24-hr. LC₅₀=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: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1 (6.1)

UN/NA NUMBER: UN 1950

PACKAGING GROUP: N/A

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: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1 (6.1)

UN/NA NUMBER: UN 1950

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: 3
NFPA REACTIVITY: 0
NFPA OTHER: None

HMIS HEALTH: 2
HMIS FLAMMABILITY: 3
HMIS REACTIVITY: 0
HMIS PROTECTION: B

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SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis

DATE PREPARED: 1/27/2014

REVISION DATE: 1/27/2014

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

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