

Safety Data Sheet

Carbon-Off!

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Carbon-Off!

PRODUCT CODE: 10101, 10102, 10632, 11216

RECOMMENDED USE: Carbon Remover

RESTRICTIONS ON USE: This product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal. After February 3, 2025, this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers. After January 28, 2026, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of methylene chloride equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant; (2) Processing for incorporation into a formulation, mixture, or reaction product; (3) Processing for repackaging; (4) Processing for recycling; (5) Industrial or commercial use as a laboratory chemical; (6) Industrial or commercial use as a bonding agent for solvent welding; (7) Industrial and commercial use as a paint and coating remover from safety critical, corrosion-sensitive components of aircraft and spacecraft; (8) Industrial and commercial use as a processing aid; (9) Industrial and commercial use for plastic and rubber products manufacturing; (10) Industrial and commercial use as a solvent that becomes part of a formulation or mixture, where that formulation or mixture will be used inside a manufacturing process, and the solvent (methylene chloride) will be reclaimed; (11) Industrial and commercial use in the refinishing for wooden furniture, decorative pieces, and architectural fixtures of artistic, cultural or historic value until May 8, 2029; (12) Industrial and commercial use in adhesives and sealants in aircraft, space vehicle, and turbine applications for structural and safety critical non-structural applications until May 8, 2029; (13) Disposal; and (14) Export.

COMPANY NAME: QuestSpecialty Corporation

COMPANY ADDRESS: P.O. Box 624, Brenham, TX 77834

COMPANY PHONE: 800-231-0454

EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Skin Corrosive: Category 2

Eye Damage: Category 2A

Carcinogenicity: Category 2

Specific Target Organ Toxicity (Repeated Exposure): Category 2

Specific Target Organ Toxicity (Single Exposure): Category 2

Reproductive Toxicity: Category 2

Corrosive to Metals: Category 1

Aspiration Hazard: Category 1

Acute Toxicity, Inhalation: Category 4

HAZARD STATEMENT(S): DANGER: Causes skin irritation and serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Suspected of causing cancer and damaging fertility or the unborn child. May cause damage to organs. May be corrosive to metals. Toxic if inhaled. May be fatal if swallowed and enters airways.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Wash hands thoroughly after handling. Wear eye/face protection, protective gloves, and protective clothing. If on skin: Wash with plenty of soap and water. For specific treatment see First Aid. If skin irritation occurs: Get medical attention/advice. Take off contaminated clothing and wash it before reuse. 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/attention. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents in accordance with local, state, and federal law. Do not eat, drink or smoke when using this product. If exposed or concerned: Call a poison center/doctor. Get medical advice/attention if you feel unwell. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Keep only in original container. Absorb spillage to prevent material damage. Store in corrosive resistant container with a resistant inner liner.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

Safety Data Sheet

Carbon-Off!

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
2-Butoxyethanol	127087-87-0	5-25%
Ammonium Hydroxide	1336-21-6	1-5%
Ethyl alcohol	64-17-5	2-4%
Methanol	67-56-1	5-25%
Methylene chloride	75-09-2	60-100%
Toluene	108-88-3	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: 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.

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

ACUTE HEALTH HAZARDS: Eyes: serious damage, redness, tearing, blurred vision.

Skin: severe burns, defatting and dermatitis.

Inhalation: Irritation.

Oral: aspiration risk, abdominal irritation, nausea, vomiting, and diarrhea.

CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, reproductive or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

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 and hydrogen chloride gases, oxides of nitrogen and carbon.

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 local, state and federal regulations.

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: Use only outdoors or in a well ventilated area. Store in a well ventilated area. Store locked up. Keep container tightly closed. Keep container tightly closed.

OTHER PRECAUTIONS: Keep out of the reach of children.

INCOMPATIBILITY: May attack certain plastics, rubber and coatings. Incompatible with strong oxidizers and caustics and chemically active metals 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	25 ppm

Safety Data Sheet

Carbon-Off!

Ethyl alcohol	1000 ppm	1000 ppm
Methanol	200 ppm	200 ppm
Methylene chloride	25 ppm	50 ppm
Toluene	200 ppm	50 ppm

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

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles 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: Ammonia.

ODOR THRESHOLD: N/D

pH: N/A

MELTING POINT/FREEZING POINT: N/D

INITIAL BOILING POINT AND BOILING RANGE: > 140°F (60°C)

FLASH POINT: N/D

EVAPORATION RATE: >2

FLAMMABILITY (solid/gas): Not considered a flammable liquid by OSHA (29CFR 1910.1200).

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

EXPLOSIVE LIMIT LOWER (%): N/D

EXPLOSIVE LIMIT UPPER (%): N/D

VAPOR PRESSURE (mm Hg): >100

VAPOR DENSITY (AIR=1): > 2

RELATIVE DENSITY (H₂O=1): 1.17 @ 77°F (25°C)

SOLUBILITY(IES): 0%

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

AUTOIGNITION TEMPERATURE: N/D

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: 250cps

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: Chemically active metals and acids.

CHEMICAL STABILITY: Stable.

POSSIBLE HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: Excessive heat. Sources of ignition.

INCOMPATIBLE MATERIALS: May attack certain plastics, rubber and coatings. Incompatible with strong oxidizers and caustics and chemically active metals such as aluminum, magnesium powder, sodium, potassium and lithium.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, phosgene and hydrogen chloride gases.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Methylene chloride** (75-09-2): LD₅₀ (Oral, Rat) > 2000 mg/kg; LD₅₀ (Dermal, Rat) > 2000 mg/kg; LC₅₀ (Inhalation, Rat) 52000 mg/m³. **Toluene** (108-88-3): LD₅₀ (Oral, Rat) > 2000 mg/kg; LD₅₀ (Dermal, Rabbit) > 8000 mg/kg; LC₅₀ (Inhalation, Rat) > 12.5 mg/L. **Ammonium hydroxide** (1336-21-6): LD₅₀ (Oral, Rat) 350 mg/kg. **2-Butoxyethanol** (111-76-2): LD₅₀ (Oral, Rat) 320 mg/kg; LD₅₀ (Dermal, Rabbit) 440 mg/kg; LC₅₀ (Inhalation, Mice, 4h) 700 ppm. **Ethyl alcohol** (64-17-5): LC₅₀ (Inhalation, Rat, 4h) 133.6 mg/L; LD₅₀ (Oral, Rat) > 8311 mg/kg; LD₅₀ (Dermal, Rabbit) 16972.5 mg/kg. **Methanol** (67-56-1): LD₅₀ (Oral, Rat) 1187-2769 mg/kg; LD₅₀ (Dermal, Rabbit) 17100 mg/kg; LC₅₀ (Inhalation, Rat, 4h) 85.26 mg/L.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes irritation, redness, temporary eye damage.

INGESTION: Causes gastrointestinal irritation, nausea, vomiting, abdominal cramps, dizziness.

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

SKIN: Causes mild irritation, dryness, localized defatting.

Safety Data Sheet

Carbon-Off!

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

ACUTE HEALTH HAZARDS: Eyes: serious damage, redness, tearing, blurred vision.

Skin: severe burns, defatting and dermatitis.

Inhalation: Irritation.

Oral: aspiration risk, abdominal irritation, nausea, vomiting, and diarrhea.

CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, reproductive or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

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

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Not established.

PERSISTENCE AND DEGRADABILITY: Component or components of this product are not biodegradable.

BIOACCUMULATIVE POTENTIAL: Components in this mixture can bioaccumulate in aquatic organisms.

MOBILITY IN SOIL: This product is mobile in soil.

OTHER ADVERSE EFFECTS: This material is toxic to aquatic life.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations.

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: For Containers 1.3 Gallons (5 liters) and smaller: Cleaning Compound N.O.S.
For Containers Larger than 1.3 Gallons (5 liters): Dichloromethane Mixture.

HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN1593

PACKING GROUP: III

AIR SHIPMENT

PROPER SHIPPING NAME: Dichloromethane Mixture.

HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN1593

PACKING GROUP: III

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Dichloromethane Mixture.

HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN1593

PACKING GROUP: III

ENVIRONMENTAL HAZARDS WATER: N/A

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 pounds. **Methylene chloride** (75-09-2) Reportable Quantity = 1,000 pounds. **Toluene** (108-88-3) Reportable Quantity = 1000 pounds. **Ammonium hydroxide** (1336-21-6) Reportable Quantity = 1,000 pounds.

SARA 311/312 HAZARD CATEGORIES: Acute Health, Chronic Health.

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

STATE REGULATIONS: **California Proposition 65: WARNING:** This product can expose you to chemicals including Dichloromethane (Methylene Chloride), which is known to the State of California to cause cancer, and Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. **Methylene chloride** (75-09-2): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CT, FL, IL, LA, MA, MI, MN, NJ, NY, PA, RI, TN.

Safety Data Sheet

Carbon-Off!

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.

VOLATILE ORGANIC COMPOUNDS (VOC): 16.8%

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NFPA HEALTH: 3

HMIS HEALTH: 3

NFPA FLAMMABILITY: 1

HMIS FLAMMABILITY: 1

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: B

7.25 # Methylene Chloride per gallon

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Craig Bernard

DATE PREPARED: 1/27/2014

REVISION DATE: 11/26/2024

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.