

Safety Data Sheet
Carbon-Off! 2.0 Liquid

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Carbon-Off! 2.0 Liquid
PRODUCT CODE(S): 121010, 121020, 122160 & 126320
RECOMMENDED USE: Carbon Remover
RESTRICTIONS ON USE: None known.
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: Flammable Liquid: Category 2

Eye Irritant: Category 1

Specific Target Organ Toxicity (Single Exposure): Category 3

Skin Corrosive: Category 1B

Reproductive Toxicity: Category 2

HAZARD STATEMENT(S): DANGER: Highly flammable liquid and vapor. Causes severe skin burns and serious eye damage. May cause respiratory irritation, drowsiness or dizziness. May damage fertility or the unborn child.

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

PRECAUTIONARY STATEMENTS: Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. In case of fire: Use alcohol resistant foam, Carbon dioxide, or dry powder. Obtain, read and follow all safety instructions before use. Wear protective gloves/eye protection/face protection/protective clothing. IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water or shower. Do not breathe dust/mist/spray. Wash hands thoroughly after handling. Do not touch eyes. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Take off Immediately all contaminated clothing. Immediately rinse with water for several minutes. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately. IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical help if you feel unwell. If exposed or concerned, get medical advice. Store locked up in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local, state, and federal law.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Acetone	67-64-1	30-60%
1,3-Dioxolane	646-06-0	15-40%
Monoethanolamine	141-43-5	3-7%
Isopropylidene glycol	100-79-8	3-7%

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: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.

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INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If heartbeat or breathing seem irregular, seek immediate medical attention.

SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

ACUTE HEALTH HAZARDS: Eyes: serious damage, redness, tearing, blurred vision. Skin: severe burns, defatting and dermatitis. Inhalation: May cause respiratory irritation. May cause drowsiness or dizziness

CHRONIC HEALTH HAZARDS: Repeated or prolonged exposure may cause liver and kidney damage. Reproductive: May damage fertility or the unborn child.

NOTE TO PHYSICIAN: There is no specific treatment regimen. Treatment of overexposure should be directed toward the control of symptoms and the clinical condition of the patient.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, foam or carbon dioxide.

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: HIGHLY FLAMMABLE. Keep away from heat, sparks, open flames and other sources of ignition.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen, and/or hydrocarbons.

SECTION VI – ACCIDENTAL RELEASE MEASURES

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

SPILL: Contain spill, eliminate ignition sources and ventilate area. Prevent spill from entering sewers, storm drains, and natural waterways. Use non-combustible material like vermiculite, sand or earth for larger spills.

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 D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Store in cool, dry area. Do not use or store near heat, open flames, or other sources of ignition. Follow label directions.

OTHER PRECAUTIONS: Keep out of the reach of children. Follow label directions exactly. Avoid contact with eyes, skin or clothing.

INCOMPATIBILITY: Strong acids.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Acetone	1000 ppm	250 ppm
1,3-Dioxolane	Not Established	20 ppm
Monoethanolamine	3 ppm	3 ppm
Isopropylidene glycol	Not Established	Not Established

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

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved organic vapor respiratory protection if listed exposure limits (Section VIII) are exceeded.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles, face shield, protective gloves, and synthetic apron.

ADDITIONAL MEASURES: Wash hands thoroughly with soap and water after using. If clothing becomes contaminated, remove and wash immediately.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear Colorless to Blue-Green Liquid

ODOR: Acetone.

ODOR THRESHOLD: N/D

pH: N/A

MELTING POINT/FREEZING POINT: N/D

INITIAL BOILING POINT AND BOILING RANGE: N/D

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FLASH POINT: N/D
EVAPORATION RATE: N/D
FLAMMABILITY (solid/gas): Highly Flammable Liquid
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): N/D
VAPOR DENSITY (AIR=1): N/D
RELATIVE DENSITY (H₂O=1): 0.95 - 0.98
SOLUBILITY(IES): 100% water.
PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D
AUTOIGNITION TEMPERATURE: N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: 1000 - 1500 cps

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: Chemically active metals and acids.
CHEMICAL STABILITY: Stable.
POSSIBLE HAZARDOUS REACTIONS: None known.
CONDITIONS TO AVOID: Avoid incompatible materials.
INCOMPATIBLE MATERIALS: Strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, and/or hydrocarbons.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Acetone** (67-64-1): LD₅₀ (Oral, Rat) 5800 mg/kg; LD₅₀ (Oral, Mouse) 3000 mg/kg; LD₅₀ (Oral, Rabbit) 5340 mg/kg; LC₅₀ (Inhalation, Rat, 8h) 50100 mg/m³; LC₅₀ (Inhalation, Mouse, 4h) 44,000 mg/m³. **Monoethanolamine** (141-43-5): LD₅₀ (Oral, Rat) 1720 mg/kg; LD₅₀ (Dermal, Rabbit) 1015 mg/kg. **Isopropylidene glycol** (100-79-8): LD₅₀ (Oral, Rat) 7000 mg/kg; LD₅₀ (Dermal, Rat) 2000 mg/kg; LC₅₀ (Inhalation, Rat, 4h aerosol) >5.11 mg/L.
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Causes serious eye damage.
INGESTION: Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.
INHALATION: Causes dizziness, headaches, nausea.
SKIN: Causes severe burns.
MEDICAL CONDITION AGGRAVATED: May aggravate pre-existing conditions of the liver, kidneys, and skin.
ACUTE HEALTH HAZARDS: Eyes: serious damage, redness, tearing, blurred vision. Skin: severe burns, defatting and dermatitis. Inhalation: May cause respiratory irritation. May cause drowsiness or dizziness. Reproductive: May damage fertility or the unborn child.
CHRONIC HEALTH HAZARDS: Repeated or prolonged exposure may cause liver and kidney damage. May damage fertility or the unborn child.
CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: **Acetone** (67-64-1): LC₅₀ (*Oncorhynchus mykiss*, 96h) 5540 mg/L; EC₅₀ (*Daphnia magna*, 48h) 6100 mg/L; EC₅₀ (*Selenastrum quadricauda*, 8d) 7500 mg/L; EC₅₀ (*Pseudomonas putida*, 16h) 1700 mg/L.
PERSISTENCE AND DEGRADABILITY: N/D
BIOACCUMULATIVE POTENTIAL: Component or components in this mixture have low potential to bioaccumulate in aquatic organisms.
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 D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: For Quarts: Cleaning Compound, N.O.S.
For packaging in Gallons or larger: Flammable Liquid, N.O.S. (Acetone, Dioxolane).
HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN1993
PACKING GROUP: II

AIR SHIPMENT

PROPER SHIPPING NAME: For Quarts: Cleaning Compound, N.O.S.
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HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN1993
PACKING GROUP: II

SHIPPING BY WATER:
VESSEL (IMO/IMDG)

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For packaging in Gallons or larger: Flammable Liquid, N.O.S. (Acetone, Dioxolane).
HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN1993
PACKING GROUP: II
ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None.
SARA 311/312 HAZARD CATEGORIES: Health Hazard and Physical Hazard.
SARA 313 REPORTABLE INGREDIENTS: None.
STATE REGULATIONS: **Acetone** (67-64-1): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, ME, MA, MN, NJ, PA, RI, WA. **1,3-Dioxolane** (646-06-0): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, MN, NJ, PA. **Monoethanolamine** (141-43-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, PA, RI.
INTERNATIONAL REGULATIONS: All components are listed or exempted.
VOLATILE ORGANIC COMPOUNDS (VOC): 42%

NFPA HEALTH:	3	HMIS HEALTH:	*3
NFPA FLAMMABILITY:	3	HMIS FLAMMABILITY:	3
NFPA REACTIVITY:	0	HMIS REACTIVITY:	0
NFPA OTHER:	None	HMIS PROTECTION:	C

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Craig Bernard
DATE PREPARED: 08/01/2019
REVISION DATE: 09/16/2024

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

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