

SAFETY DATA SHEET

Date Prepared : 3/14/2017

SDS No : Carbon-Clean_SDS

Carbon-Clean

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Carbon-Clean
GENERAL USE: Carbon build-up remover
PRODUCT CODE: F10-26010

MANUFACTURER

Ultra-Chem Inc.
8043 Flint St
Lenexa, KS 66214
Customer Service: 800-451-0726

24 HR. EMERGENCY TELEPHONE NUMBERS

Infotrac 800-535-5053

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Acute Toxicity (Oral), Category 5
Acute Toxicity (Dermal), Category 5
Skin Corrosion / Irritation, Category 2
Serious Eye Damage / Eye Irritation, Category 2A
Reproductive Toxicity, Category 1B
Target Organ Toxicity (Single exposure), Category 3
Target Organ Toxicity (Repeated exposure), Category 2
Aspiration Hazard, Category 1
Aquatic Toxicity, Category 3

GHS LABEL

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)



Exclamation
mark



Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H303: May be harmful if swallowed.
H313: May be harmful in contact with skin.
H315: Causes skin irritation.
H360: May damage fertility or the unborn child.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.
H304: May be fatal if swallowed and enters airways.
H402: Harmful to aquatic life.

PRECAUTIONARY STATEMENTS**Prevention:**

P264: Wash face, hands and any exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P202: Do not handle until all safety precautions have been read and understood.

- P281: Use personal protective equipment as required.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P271: Use only outdoors or in a well-ventilated area.
 P273: Avoid release to the environment.

Response:

- P308+P313: IF exposed or concerned: Get medical advice/attention.
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331: Do NOT induce vomiting.

Storage:

- P405: Store locked up.
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

- P501: Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Solvent Naphtha	15 - 40	64742-94-5
1-methyl-2-pyrrolidinone	15 - 40	872-50-4
Benzyl Alcohol	10 - 30	100-51-6
Benzene, 1-Chloro-4 (Trifluoromethyl)	10 - 30	98-56-6
2-propanol	3 - 7	67-63-0
1-Methoxy-2-Propanol	1 - 5	107-98-2
Monoethanolamine	1 - 5	141-43-5
Propylene Glycol Phenyl Ether	1 - 5	770-35-4
Tall Oil Fatty Acid	1 - 5	8002-26-4

4. FIRST AID MEASURES

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

SKIN: Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

INGESTION: Rinse mouth. Drink plenty of water. Call a physician or poison control center immediately. Never give anything to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if necessary.

NOTES TO PHYSICIAN: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.

EXTINGUISHING MEDIA: Water spray (fog). Carbon dioxide (CO₂). Dry chemical. Foam.

DO NOT USE: Straight streams of water.

OTHER CONSIDERATIONS: Vapors are heavier than air. Vapors may travel across the ground and reach ignition sources causing a flashback fire danger.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SENSITIVE TO STATIC DISCHARGE: None Expected.

SENSITIVITY TO IMPACT: None Expected.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if not water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

LARGE SPILL: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated adsorbent material may pose the same hazard as the spilled product.

GENERAL PROCEDURES: No action should be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate, put on appropriate personal protective equipment.

7. HANDLING AND STORAGE

HANDLING: Ensure adequate ventilation. Wear personal protective equipment as required based on a risk assessment. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

STORAGE: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food or drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Benzene, 1-Chloro-4 (Trifluoromethyl)	TWA	75	350	10	46	NL	NL
	STEL					NL	NL
2-propanol	TWA	400	980	200	490	NL	NL
	STEL			400	960	NL	NL
1-Methoxy-2-Propanol	TWA			100	369		
	STEL			150	553		
Monoethanolamine	TWA	3	6	3	7.5	NL	NL
	STEL			6	15	NL	NL

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: If splashes are likely to occur, wear: Tightly fitting safety goggles and face shield.

SKIN: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

RESPIRATORY: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

PROTECTIVE CLOTHING: Wear chemical protective clothing e.g. gloves, aprons, boots. As conditions require.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material or any chemical should be equipped with an eyewash and safety shower. Always wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Specific Gravity
Solvent Naphtha	125		
1-methyl-2-pyrrolidinone	204	202	1.026
Benzyl Alcohol	200		
1-Methoxy-2-Propanol	90		
Propylene Glycol Phenyl Ether	240		

PHYSICAL STATE: Liquid

ODOR: Aromatic

ODOR THRESHOLD: Not determined

APPEARANCE: Colored liquid

pH: NA = Not Applicable

FLASH POINT AND METHOD: Not determined

FLAMMABLE LIMITS: Not determined to Not determined

AUTOIGNITION TEMPERATURE: Not determined

VAPOR PRESSURE: Not determined

VAPOR DENSITY: No data available

BOILING POINT: Not Established

FREEZING POINT: < to (32°F)

Notes: Not Available

MELTING POINT: Not Available

THERMAL DECOMPOSITION: No data available

SOLUBILITY IN WATER: Insoluble in water

EVAPORATION RATE: Not determined

SPECIFIC GRAVITY: ~ 0.99

VISCOSITY: Not determined

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under recommended storage conditions.

POLYMERIZATION: Hazardous polymerization does not occur.

CONDITIONS TO AVOID: Keep from freezing. Keep out of reach of children. Excess heat, open flames, and sparks.

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to fire, produces oxides of carbon, smoke, fumes, oxides of nitrogen, chlorine gases, and fluorine gases.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong acids. Reducing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Solvent Naphtha	13300	> 5000	> 580
1-methyl-2-pyrrolidinone	3914	2200 to 4000	> 5100
Benzyl Alcohol	1230	2000	1000
1-Methoxy-2-Propanol	5660	13000	15000
Propylene Glycol Phenyl Ether	2830 to 3730	> 2000	

EYE EFFECTS: Causes serious eye damage.

SKIN EFFECTS: Causes severe skin burns.

CHRONIC: No data available

SUBCHRONIC: No data available

REPEATED DOSE EFFECTS: No data available

CORROSIVITY: Severely Corrosive to Skin and Eyes.

NEUROTOXICITY: No data available

GENETIC EFFECTS: No data available

TARGET ORGANS: No data available

TERATOGENIC EFFECTS: No data available.

MUTAGENICITY: Not Available

SYNERGISTIC MATERIALS: Not Available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

ECOTOXICOLOGICAL INFORMATION: Very toxic to aquatic life with long lasting effects.

BIOACCUMULATION/ACCUMULATION: No data available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

EMPTY CONTAINER: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

OTHER SHIPPING INFORMATION: Not regulated for domestic ground transportation.

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
1-methyl-2-pyrrolidinone	15 - 40	872-50-4
Benzene, 1-Chloro-4 (Trifluoromethyl)	10 - 30	98-56-6
2-propanol	3 - 7	67-63-0

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Benzene, 1-Chloro-4 (Trifluoromethyl)	10 - 30	100

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS	TSCA SECTION
Solvent Naphtha	64742-94-5	
1-methyl-2-pyrrolidinone	872-50-4	
Benzyl Alcohol	100-51-6	
Benzene, 1-Chloro-4 (Trifluoromethyl)	98-56-6	12b,
2-propanol	67-63-0	
1-Methoxy-2-Propanol	107-98-2	
Monoethanolamine	141-43-5	
Propylene Glycol Phenyl Ether	770-35-4	
Tall Oil Fatty Acid	8002-26-4	

CALIFORNIA PROPOSITION 65

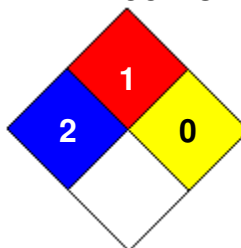
Chemical Name	Wt.%	Listed
1-methyl-2-pyrrolidinone	15 - 40	<ul style="list-style-type: none"> • Cancer • Developmental Toxicity

16. OTHER INFORMATION

PREPARED BY: KH Date Prepared: 3/14/2017

HMIS RATING

HEALTH	<input type="text" value=""/>	<input type="text" value="2"/>
FLAMMABILITY	<input type="text" value=""/>	<input type="text" value="1"/>
PHYSICAL HAZARD	<input type="text" value=""/>	<input type="text" value="0"/>
PERSONAL PROTECTION	<input type="text" value="E"/>	

NFPA CODES

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