



SAFETY DATA SHEET

Ultimus - Carbon Collective

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Ultimus - Carbon Collective

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Vehicle Snow Foam. Pre-Soak Foaming Vehicle Cleaner.

Uses advised against This product is not recommended for any other purpose than stated above.

1.3. Details of the supplier of the safety data sheet

Supplier Carbon Collective LTD
Unit 9C
Manor Business Park
Woodford Halse
Northamptonshire
NN11 3UB
07888634038
sales@carboncollective.com

1.4. Emergency telephone number

Emergency telephone As Above - Opening Hours 9 am - 5 pm (Monday - Friday)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.

Ultimus - Carbon Collective

Contains	Anionic Surfactant, Non-ionic surfactant, Alkyl Amidopropyl Betaine, tetrasodium ethylene diamine tetraacetate
Detergent labelling	≥ 30% anionic surfactants, 5 - < 15% amphoteric surfactants, 5 - < 15% non-ionic surfactants, < 5% EDTA and salts thereof
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Anionic Surfactant	30-60%
CAS number: 32612-48-9	EC number: 608-760-0
Classification	
Skin Irrit. 2 - H315 Eye Dam. 1 - H318	
Non-ionic surfactant	5-10%
CAS number: 166736-08-9	
Classification	
Acute Tox. 4 - H302 Eye Dam. 1 - H318	
Alkyl Amidopropyl Betaine	5-10%
CAS number: 147170-44-3	EC number: 931-296-8
Classification	
Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	
tetrasodium ethylene diamine tetraacetate	1-5%
CAS number: 64-02-8	EC number: 200-573-9
Classification	
Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318 STOT RE 2 - H373	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Get medical attention if any discomfort continues.

Ultimus - Carbon Collective

Ingestion	Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Coughing, chest tightness, feeling of chest pressure.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause blurred vision and serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	The product is non-combustible. Irritating gases or vapours. Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Carbon. Nitrogen. No unusual fire or explosion hazards noted.
Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Use air-supplied respirator, gloves and protective goggles. Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin and eyes. For personal protection, see Section 8.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

Ultimus - Carbon Collective

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Dike far ahead of larger spills for later disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery.

6.4. Reference to other sections

Reference to other sections See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container. Store in a cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Non-ionic surfactant

No exposure limits known for ingredient(s).

Ingredient comments WEL = Workplace Exposure Limits

Anionic Surfactant (CAS: 32612-48-9)

DNEL Workers - Dermal; Long term systemic effects: 4060 mg/kg
Workers - Inhalation; Long term systemic effects: 285 mg/m³
Consumer - Dermal; Long term systemic effects: 2440 mg/kg
Consumer - Inhalation; Long term systemic effects: 85 mg/m³
Consumer - Oral; Long term systemic effects: 24 mg/m³

PNEC Fresh water; 0.1016 mg/l
marine water; 0.01016 mg/l
Intermittent release; 0.036 mg/l
STP; 1084 mg/l
Sediment (Freshwater); 3.58 mg/kg
Sediment (Marinewater); 0.358 mg/kg
Soil; 0.654 mg/kg

Alkyl Amidopropyl Betaine (CAS: 147170-44-3)

Ultimus - Carbon Collective

DNEL Workers - Inhalation; Long term systemic effects: 44 mg/m³
 Workers - Dermal; Long term systemic effects: 12.5 mg/kg
 Consumer - Oral; Long term systemic effects: 7.5 mg/kg
 Consumer - Dermal; Long term systemic effects: 7.5 mg/kg

PNEC Fresh water; 0.0135 mg/l
 marine water; 0.00135 mg/l
 STP; 3000 mg/l

tetrasodium ethylene diamine tetraacetate (CAS: 64-02-8)

DNEL Consumer - Inhalation; Short term : 1.5 mg/m³
 Consumer - Inhalation; Long term : 1.5 mg/m³
 Consumer - Oral; Long term : 25 mg/kg/day

PNEC Fresh water; 2.2 mg/l
 marine water; 0.22 mg/l
 Intermittent release; 1.2 mg/l
 Soil; 0.72 mg/kg
 STP; 43 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Other skin and body protection

Provide eyewash station. Work clothes protecting arms, legs and body should be used, together with a PVC protective apron which should be long enough to cover rubber shoes/boots thus eliminating the possibility of splashes or spillages entering the footwear.

Hygiene measures

Based on and limited to our experience of this product, the following special advice is believed to provide satisfactory protection for the industrial user or handler. The choice of suitable protective equipment depends on work conditions and what methods are used for handling the substance. This advice is not a substitute for each Company conducting their own Risk/COSHH Assessments, but is provided as general guidance. Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use barrier cream to prevent drying of skin. Eating, smoking and water fountains prohibited in immediate work area.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Ultimus - Carbon Collective

Appearance	Clear liquid.
Colour	Colourless.
Odour	Characteristic.
Odour threshold	Not determined.
pH	pH (concentrated solution): ~7
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	~ 1
Bulk density	Not determined.
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not determined.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not determined.
Comments	Information given is applicable to the product as supplied.
<u>9.2. Other information</u>	
Other information	Not available.
Refractive index	Not determined.
Particle size	Not determined.
Molecular weight	Not determined.
Volatility	Not determined.
Saturation concentration	Not determined.
Critical temperature	Not determined.

Ultimus - Carbon Collective

Volatile organic compound Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react strongly with the product: Strong acids. Chlorohydrocarbons. Strong oxidising agents.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation. Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 7,688.98

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 126.77

General information This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation May cause respiratory system irritation.

Ingestion May cause discomfort if swallowed.

Skin contact Irritating to skin.

Eye contact Risk of serious damage to eyes. Irritating to eyes.

Acute and chronic health hazards Product has a defatting effect on skin.

Route of exposure Ingestion. Skin and/or eye contact

Medical symptoms No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Medical considerations Skin disorders and allergies.

Toxicological information on ingredients.

Ultimus - Carbon Collective

Alkyl Amidopropyl Betaine

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,000.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rat

Skin corrosion/irritation

Summary No data available.

Serious eye damage/irritation

Summary Causes serious eye damage.

Respiratory sensitisation

Summary No data available.

Skin sensitisation

Summary No data available.

Germ cell mutagenicity

Summary No data available.

Carcinogenicity

Summary No data available.

Reproductive toxicity

Summary No data available.

Specific target organ toxicity - single exposure

Summary No data available.

Specific target organ toxicity - repeated exposure

Summary No data available.

Aspiration hazard

Summary No data available.

tetrasodium ethylene diamine tetraacetate

Toxicological effects No data available.

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,000.0

Species Rat

ATE oral (mg/kg) 2,000.0

Acute toxicity - dermal

Ultimus - Carbon Collective

Summary	No data available.
<u>Acute toxicity - inhalation</u>	
Summary	No data available.
Acute toxicity inhalation (LC₅₀ dust/mist mg/l)	1.0
Species	Rat
ATE inhalation (dusts/mists mg/l)	1.5
<u>Skin corrosion/irritation</u>	
Summary	No data available.
<u>Serious eye damage/irritation</u>	
Summary	Causes eye irritation.
<u>Respiratory sensitisation</u>	
Summary	No data available.
<u>Skin sensitisation</u>	
Summary	No data available.
<u>Germ cell mutagenicity</u>	
Summary	No data available.
<u>Carcinogenicity</u>	
Summary	No data available.
<u>Reproductive toxicity</u>	
Summary	No data available.
<u>Specific target organ toxicity - single exposure</u>	
Summary	No data available.
<u>Specific target organ toxicity - repeated exposure</u>	
Summary	Causes damage to organs through prolonged or repeated exposure if inhaled.
<u>Aspiration hazard</u>	
Summary	No data available.

SECTION 12: Ecological information

Ecotoxicity Not classified as dangerous to the environment.

12.1. Toxicity

Ecological information on ingredients.

Alkyl Amidopropyl Betaine

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1.11 mg/l, Cyprinodon variegatus (Sheepshead minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 6.5 mg/l, Daphnia magna

Ultimus - Carbon Collective

Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 1.5 mg/l, Algae
Acute toxicity - microorganisms	EC ₀ , : 3000 mg/l, Activated sludge
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - fish early life stage	NOEC, 100 days: 0.135 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.32 mg/l, Daphnia magna LOEC, 21 days: 0.56 mg/l, Daphnia magna

tetrasodium ethylene diamine tetraacetate

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 100 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 100 mg/l, Daphnia magna
Acute toxicity - microorganisms	EC ₂₀ , 30 minutes: 500 mg/l, Activated sludge
Acute toxicity - terrestrial	EC ₅₀ , 14 days: 156 mg/kg, Eisenia Fetida (Earthworm)

12.2. Persistence and degradability

Persistence and degradability The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Ecological information on ingredients.

Alkyl Amidopropyl Betaine

Persistence and degradability	, 28 days: 20 mg/l, Activated sludge
Chemical oxygen demand	1000000 mg O ₂ /l

tetrasodium ethylene diamine tetraacetate

Persistence and degradability	The product is not biodegradable.
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12.3. Bioaccumulative potential

Partition coefficient Not determined.

Ecological information on ingredients.

Alkyl Amidopropyl Betaine

Bioaccumulative potential No data available on bioaccumulation.

tetrasodium ethylene diamine tetraacetate

Bioaccumulative potential No information available.

Ultimus - Carbon Collective

12.4. Mobility in soil

Ecological information on ingredients.

Alkyl Amidopropyl Betaine

Mobility No data available.

tetrasodium ethylene diamine tetraacetate

Mobility No data available.

Adsorption/desorption coefficient No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Alkyl Amidopropyl Betaine

Results of PBT and vPvB assessment Not relevant.

tetrasodium ethylene diamine tetraacetate

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Ecological information on ingredients.

Alkyl Amidopropyl Betaine

Other adverse effects The product may have adverse effects on organisms in soil and water.

tetrasodium ethylene diamine tetraacetate

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The packaging must be empty (drop-free when inverted).

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor. Packaging: Recover and reclaim or recycle. If practical.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Ultimus - Carbon Collective

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Guidance Workplace Exposure Limits EH40.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw materials used in this product and are not necessarily applicable to the finished item. Please see Section 2 for the current classification of this product.
Revision date	09/11/2022
Revision	2
Supersedes date	31/07/2017
Hazard statements in full	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H332 Harmful if inhaled. H373 May cause damage to organs (Respiratory system, lungs) through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects.

Ultimus - Carbon Collective

The information provided in this document is based on our present state of knowledge of the product and is given in good faith and to the best of our experience. However, it should not be construed as a technical specification or as guaranteeing specific properties, accuracy, reliability or completeness. In no event we will be responsible for damages or effects of any nature whatsoever, either express or implied, resulting from the use of this information. It is the own responsibility of the consignee and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application by carrying out a full risk assessment of their specific processes and systems of work. All information contained within this document is for the product in its undiluted state and relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated.