Safety Data Sheet

CarboNet PreFlight

10080

CarboNet

SECTION 1: IDENTIFICATION

Product Identifier	10080
Recommended Use	Water treatment. Facilitates the removal of unwanted constituents for further processing
Company Identification	CarboNet™ Water Treatment 1701 E County Road 140 Midland, TX 79706, USA
Emergency Contacts	1-800-424-9300 (U.S. Toll Free) (24 hour)

CarboNet™ Nanotechnologies US Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the proper use and handling of the subject product. The reader should consider consulting reference materials, and/or CarboNet™ Water Treatment technical support personnel, and/or other recognized experts, as necessary or appropriate to the use and understanding of the data contained in this SDS. To promote the safe handling, storage, and use of this product, each customer or recipient should (1) notify his or her employees, agents, contractors, and others whom he or she knows or believes will use this product, of the information in this SDS and any other information regarding product use, storage, and handling, (2) furnish this same information to each of his or her customers for the product, and (3) request his or her customers to notify their employees, customers, and other users of the product, and of this information.

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture:

This product is not classified as hazardous in accordance with paragraph (d) 29 C.F.R. Section 1910.1200.

Label Elements:

Pictograms: None

Signal Word: None

Hazard Statements: Not applicable.

Precautionary Statements:

H302 – Harmful if swallowed

H304 – May be fatal if swallowed and enters airways

H318 – Causes serious eye damage

Other Hazard Statements: Spilled product will render surfaces extremely slippery.

Prevention: Take care with product while handling to limit spills.

Response: Do not flush with water for small or large spills. Clean promptly by absorb spill with inert material (such as sand, dirt or kitty litter), collect into an appropriate container. Residual spill after cleaning may be washed with water. Retain all generated waste for appropriate disposal.

Storage: See section 7 for details.

SECTION 3: COMPOSITION INFORMATION

This product is a mixture of ingredients.

Hazardous Ingredient:

Distillates (petroleum), hydrotreated light

Cas No:

64742-47-8

Concentration:

20-30% (W/W%)*

Classification:

Asp. Tox. 1;H304

Hazardous Ingredient:

Poly(oxy-1,2-ethanediyl), a-tridecyl-w-hydroxy-, branched

Cas No:

69011-36-5

Concentration:

<5? (W/W%)*

Classification:

Asp. Acute Tox. 4;H302, Eye Dam. 1;H318

***exact concentration withheld as a trade secret**

SECTION 4: FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediately call a poison center or doctor.

Eyes:

If in eyes, rinse cautiously with water for several minutes. Remove any contact lenses, if present and easy to do. Immediately call a poison center or doctor.

Skin:

Rinse skin with water/shower. Wash contaminated clothing before reuse. in case of persistent skin irritation immediately call a poison center or doctor.

Ingestion:

If swallowed, rinse mouth. Do Not induce vomiting. Immediately call a poison center or doctor.

Most important symptoms and effects, both acute and delayed:

Refer to Section 11 – Toxicological Information.

Indication of immediate medical attention and special treatment needed, if necessary:
All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5: FIRE FIGHTER MEASURES

Extinguishing media:

Water, Water-spray, Foam, Dry Chemical.

Warning! Aqueous extinguisher measures will render surfaces extremely slippery.

Unsuitable extinguishing media:

No data available.

Special hazards arising from the substance or mixture:

Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NOx), carbon oxides (COx). Ammonia (NH3). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere..

Advice for fire fighters:

Wear positive pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing.

Other information:

Spills produce extremely slippery surfaces.

SECTION 6: ACCIDENTAL RELEASE

Personal precautions, protective equipment, and emergency procedures:
Ventilate enclosed areas. Wear appropriate personal protective equipment and avoid direct contact. As an immediate precautionary measure, isolate spill in all directions. Keep unauthorized personnel away. Do not touch or walk through spilled material. Spills produce extremely slippery surfaces.

Environmental precautions:
Do not discharge to natural waterways and sewers, and/or dilute with water.

Methods and material for containment and cleaning up:
Contain spill, absorb with inert material (sand, earth, absorbent pads, etc.). Floor may be slightly slippery, so use care to avoid falling. Transfer liquids to suitable containers for recovery, re-use, or disposal. For waste disposal, see Section 13 of the SDS.

SECTION 7: HANDLING & STORAGE

Precautions for safe handling:
Use only with adequate ventilation. Renders surfaces extremely slippery when spilled. Wear appropriate personal protective equipment and avoid direct contact. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage:
Store in well-sealed container in cool, dry area in accordance with all current regulations and standards. Keep containers closed and/or sealed when not in use.

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits:

Distillates (petroleum), hydrotreated light: 200 mg/m3 (8 hours) - 250 mg/m3 (15 minutes) (vapors)

Exposure controls:

Respiratory:

Use only with adequate ventilation. Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Eyes:

Chemical safety goggles or safety glasses with side-shields.

Skin:

PVC or other plastic material gloves. Be aware that liquid may permeate gloves, frequent change is advised. Suitable gloves can be recommended by the glove supplier. The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

Wear coveralls and/or chemical apron and rubber footwear where physical contact can occur. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Engineering Controls:

Ensure that handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dusts or mists into the work area. Do not discharge waste into the environment.

Other Work Practices:

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing. An eyewash station and emergency shower must be available to the work station.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance	Viscous liquidm, Milky
Color	White/Cream
Odor	Aliphatic
Odor threshold	No information available
pH	Not applicable
Melting point / freezing point	<5°C (<41°F)
Initial boiling point and boiling range	>100°C (>212°F)
Flash Point	None

Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	No information available
Vapor pressure	2.3 kPa @ 20°C
Vapor Density	>0.81 (air = 1)
Specific Gravity	1.00 -1.2
Solubility in Water	Soluble
Partition coefficient n-octanol/water (Log Kow)	Not known
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	> 20.5 mm^2/s @ 40°C

SECTION 10: STABILITY & REACTIVITY

Reactivity:

Un-reactive.

Chemical stability:

Stable under normal conditions and ambient temperatures.

Possibility of hazardous reactions:

Possible reaction: Oxidizing agents may cause exothermic reactions.

Conditions to avoid:

Freezing could cause product to stratify, and product should be mixed gently prior to using.

Incompatible materials:

Strong oxidizers.

Hazardous decomposition products:

Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NOx), carbon oxides (COx). Ammonia (NH3). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Likely routes of exposure: Inhalation, skin and eye contact.

Symptoms related to characteristics: None expected

Delayed and immediate effects (short and long term): None known

Classification	Category	Hazard Description
Acute toxicity (oral)	--	ATEmix >5,000 mg/kg (see note)
Acute toxicity (dermal)	--	ATEmix >5,000 mg/kg (see note)
Acute toxicity (inhalation)	--	The product is not expected to be toxic by inhalation.
Skin corrosion/irritation	--	Non-irritating to skin..
Serious eye damage/irritation	--	Not irritating. (OECD 437)
Respiratory sensitization	--	Not sensitizing.
Skin sensitization	--	Not sensitizing.
Germ cell mutagenicity	--	Not mutagenic..
Carcinogenicity	--	Not carcinogenic.

Reproductive toxicity	--	Not toxic for reproduction
STOT-single exposure	--	No known effects.
STOT-repeated exposure	--	No known effect.
Aspiration hazard	--	Due to the viscosity, this product does not present an aspiration hazard.

Note: When no route-specific LD50 data is available, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Carcinogenic Effects: This product does not contain any ingredients listed as a carcinogen or potential carcinogen by OSHA, NTP, or IARC at concentrations at or above 0.1 percent.

SECTION 12: ECOLOGICAL CONSIDERATIONS

12.1 Toxicity: Information on the product as supplied

Data available on request.

12.2. Persistence and degradability: Information on the product as supplied

Persistence and degradability:

Degradation/Hydrolysis/Photolysis:

Based on the degradability data of the components, this product is expected to be readily (bio)degradable according to OECD criteria. At natural pHs (>6) the polymer degrades due to hydrolysis to more than 70% in 28 days. The hydrolysis products are not harmful to aquatic organisms. NO data available for photolysis.

Bioaccumulative potential:

The product is not expected to bioaccumulate. No applicable information found.

Mobility in soil:

No applicable information found for product as supplied or components.

Other adverse effects:

No applicable information found.

SECTION 13: DISPOSAL CONSIDERATIONS

Description of Waste Residues: Disposal of content and/or container in accordance with local, regional, national, and/or international regulations. Do not flush into surface water.

Disposal Method: Disposal of content and/or container in accordance with local, regional, national, and/or international regulations.

Container Disposal: Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling is not practicable, dispose of in compliance with local regulations. Can be landfilled or incinerated, when in compliance with local regulations.

SECTION 14: TRANSPORTATION INFORMATION

Land transport (DOT)
Not classified as a hazardous material for transport.

Sea transport (IMDG)
Not classified as a hazardous material for transport.

Air transport (ICAO/IATA)
Not classified as a hazardous material for transport.

Marine pollutant: No

SECTION 15: REGULATORY INFORMATION

Regulatory Overview: The regulatory data in Section 15 are not intended to be all-inclusive; only selected regulations are represented.

Toxic Substances Control Act (TSCA): This product contains substances that are listed on the active TSCA inventory and/or are exempt.

SARA Title III Section 311/312 Hazardous Categories (40 CFR Section 370.21)

Flammable (Gases, Aerosols, Liquids, or Solids)	No
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No

Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	No
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	No
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

Clean Water Act: Section 311 Hazardous Substances (40 CFR 117.3) - Reportable Quantity: Contains one or more of the listed substances.

Clean Air Act: Section 112(r) Accidental release prevention requirements (40 CFR 68) - Reportable Quantity:

Not concerned.

CERCLA Hazardous Substances: Not applicable.

Canadian Environmental Protection Act (CEPA): This product contains substances that are listed on the DSL and NDSL.

Proposition 65: WARNING This product can expose you to chemicals, including acrylamide, which is known to the State of California to cause cancer, developmental toxicity, and male reproductive toxicity. For more information, go to www.P65Warnings.ca.gov.

SECTION 16: OTHER INFORMATION

Date Prepared: July 2024

Sections revised: N/A

Abbreviations:

Abbreviations

Acute Tox. 4 = Acute toxicity Category Code 4

Asp. Tox. 1 = Aspiration hazard Category Code 1

Eye Dam 1 = Serious eye damage/eye irritation Category Code 1

Hazard statements

H302 – Harmful if swallowed

H304 – May be fatal if swallowed and enters airways

H318 – Causes serious eye damage

OSHA: Occupational Safety and Health Administration

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

DOT: Department of Transportation (i.e., 49 C.F.R. Parts 105 – 180)

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

SARA: Superfund Amendments and Reauthorization Act

Additional information on uses can be made available by contacting sds@carbonet.com

The information contained herein is believed to be accurate and represents the best information currently available to us. This document is intended only as a guide to the

appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. No warranty, either expressed or implied, of merchantability or fitness for a particular purpose, or of any nature with respect to the product, or to the information, is made herein.

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