

Section 1 – Product and Company Identification

Product Name: Carboxygel
Product Number: 1703
Supplier: Sterogene Bioseparations, Inc.
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Section 2 – Hazards Identification

Emergency Overview

No specific information is available regarding the acute toxic effects of this material for humans. This product is not classified according to EU regulations.

Section 3 – Composition/Information on Ingredient

The only hazards identified with this product are those associated with the Ethanol and Methanol in the storage buffer.

Ingredient	CAS #	EC #	Index #	Conc. in Buffer
Ethanol	64-17-5	200-578-6	603-002-00-5	19%
Methanol	67-56-1	200-659-6	603-001-00-X	1%

Synonyms
Ethanol: Ethyl Alcohol
Methanol: Methyl Alcohol, Wood Alcohol, Carbinol

Formula:
Ethanol: C₂H₆O
Methanol: CH₄O

Molecular Weight: Ethanol: 46.07 g/mol
Methanol: 32.04 g/mol

Section 4 – First Aid Measures

If Swallowed

If swallowed and the victim is conscious, rinse mouth with water. DO NOT induce vomiting. Seek immediate medical attention.

If Inhaled

If inhaled, remove person to fresh air. If breathing is difficult, administer oxygen. If victim is not breathing, administer artificial respiration.

In Case of Skin Contact

In case of contact, immediately wash skin with soap and copious amounts of water.

In Case of Eye Contact

In case of contact with eyes, flush with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Section 5 – Fire Fighting Measures

Conditions of Flammability

Flash point: not available

Suitable Extinguishing Media

Water spray, dry chemical, Carbon dioxide or alcohol-resistant foam.

Protective Equipment

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazards

Emits Oxides of Carbon (CO₂, CO) under fire conditions.

Section 6 – Accidental Release Measures

Methods for Cleanup

Absorb with vermiculite or appropriate absorbent material and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Follow all applicable federal, state and local regulations.

Section 7 – Handling and Storage

Handling-User Exposure

Avoid inhalation and ingestion. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure. Keep away from ignition sources.

Suitable Storage

Store in a cool, dry environment in a tightly sealed container according to label instructions.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls

Ensure that safety shower and emergency eye wash station are proximal to the work area. Provide exhaust ventilation when required.

Personal Protective Equipment

Respiratory	Eye
Approved vapor respirator	Chemical splash goggles or safety glasses
Hand	Skin Specific
Chemical resistant gloves	Lab coat or appropriate protective clothing

Section 9 – Physical/Chemical Properties

Physical State: Suspension

Color: White to off-white

Data on physical and chemical properties not available

Section 10 – Stability and Reactivity

Stability

Product is chemically stable.

Materials/Conditions to Avoid

Strong oxidizers, acid anhydrides, aluminum, peroxides, ammonia, reducing agents, excessive heat and ignition sources. Resin suspension may be damaged with exposure to strong acids or freezing conditions.

Hazardous Decomposition Products

Thermal decomposition may yield oxides of Carbon (CO, CO₂)

Hazardous Polymerization

Hazardous polymerization will not occur

Section 11 – Toxicological Information

Potential Health Effects

Skin Contact: May cause skin irritation

Eye Contact: May cause temporary irritation, tearing and pain

Ingestion: May be harmful if swallowed. Depression of the CNS, nausea and drunkenness.

Methanol component may be toxic if swallowed.

Inhalation: May cause headache, dizziness and respiratory tract irritation.

Section 12 – Ecological Information

No data available

Section 13 – Disposal Considerations

Product

All material should be packaged, labeled, transported and disposed of in conformance with applicable federal, state and local laws and regulations.

Section 14 – Transport Information

Not regulated by DOT/IATA – Not regulated for transport by air

DOT

49CFR 173.150(e)(2) states that aqueous solution of alcohol containing 24 percent or less alcohol by volume and no other hazardous material can be re-classed as a combustible liquid and is not subject to the requirements.

IATA

IATA Special Provision A58 states that aqueous solutions containing 24 percent or less alcohol by volume is not subject to these regulations.

Section 15 – Regulatory Information

California Prop. 65

This chemical is not known to the state of California to cause cancer, birth or any other reproductive defects.

Section 16 – Other Information

Disclaimer

The information contained herein is presented in good faith and is believed to be correct as of the date prepared, but does not purport to be all inclusive. Regulatory requirements are subject to change and may differ depending on location. It is the customer's responsibility to ensure that its activities are in compliance with local, state, federal or provincial laws.

No information contained in this document is to be taken as a warranty for which Sterogene Bioseparations, Inc. bears responsibility. Sterogene shall not be held liable for any damage resulting from handling or from contact with the product. All materials may present hazards and should be used with caution. Although specific hazards are described, we cannot guarantee that these are the only hazards that exist.