

SAFETY DATA SHEET

Citra Select Flavored Beverage | Product # 256-4896
Genus Medical Technologies, LLC | Chesterfield, MO

EMERGENCY: (314) 899-2930

General Info: (866) 468-5157

SECTION 1 — IDENTIFICATION

Product Identifier:	Citra Select Flavored Beverage
Product Number:	256-4896
Recommended Use:	Flavored beverage used as a neutral contrast agent for medical imaging procedures.
Restrictions on Use:	None known.
Supplier:	Genus Medical Technologies, LLC 207 Chesterfield Towne Center Chesterfield, MO 63005
Emergency Phone:	(314) 899-2930
General Information:	(866) 468-5157

SECTION 2 — HAZARD IDENTIFICATION (GHS)

This product is a flavored aqueous beverage intended for ingestion per medical protocol. The classification below addresses occupational exposure hazards (e.g., spills, handling, prolonged contact). pH = 3.5; contains mild acids and osmotic agents (sorbitol, mannitol).

GLOBALLY HARMONIZED SYSTEM (GHS) CLASSIFICATION	
Classification:	Eye Irritation — Category 2B
Signal Word:	WARNING
Pictogram:	
Hazard Statement:	H320 — Causes eye irritation

PRECAUTIONARY STATEMENTS

Prevention:

P264 — Wash hands and exposed skin thoroughly after handling.
P280 — Wear protective gloves and eye protection/face protection if prolonged or repeated contact is expected.

Response:

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.
P332 + P313 — If skin irritation occurs: Get medical advice/attention.

Storage:

P402 + P404 — Store in original closed container. Protect from freezing and excessive heat (>40°C / 104°F).

Disposal:

P501 — Dispose of contents/container in accordance with local, regional, national, and international regulations.

Other Hazards: None known under normal conditions of use. Excessive ingestion may cause diarrhea due to sorbitol and mannitol content (osmotic effect). This product is not classified as flammable, corrosive, toxic, or environmentally hazardous based on available data.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

This is a mixture. The identity of some individual components is proprietary information and is regarded as a trade secret in accordance with the provisions of Title 29 of the Code of Federal Regulations. The product has not been evaluated as a system but is represented below as individual components.

Ingredient	CAS Number	Percentage
Water	7732-18-5	Proprietary
Sorbitol	50-70-4	Proprietary
Mannitol	69-65-8	Proprietary
Citric Acid	77-92-9	Proprietary
Sodium Hexametaphosphate	10124-56-8	Proprietary
Acesulfame Potassium	55589-62-3	Proprietary
Sodium Citrate	6191-04-3	Proprietary
Natural Citrus Flavor	Proprietary Formula	Proprietary
Malic Acid	617-48-1	Proprietary
Sodium Benzoate	532-32-1	Proprietary

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Potassium Sorbate	64634-61-5	Proprietary
Powdered Silicone Antifoaming Agent	Proprietary	Proprietary
EDTA Calcium Disodium	62-33-9	Proprietary

SECTION 4 — FIRST-AID MEASURES

Eyes: Remove contact lenses if present and easy to do. Flush immediately with plenty of cool running water for at least 15 minutes, holding eyelids apart. Consult a physician if irritation persists.

Skin: Wash thoroughly with plenty of soap and water. Remove contaminated clothing and wash before reuse. Consult a physician if irritation persists.

Ingestion: This product is intended to be ingested as directed for medical imaging procedures. Excessive consumption may cause diarrhea due to the osmotic effect of sorbitol and mannitol. Consult a physician if symptoms persist or if large amounts are ingested unintentionally.

Inhalation: Not expected to present an inhalation hazard under normal conditions of use. If inhaled, move to fresh air. Seek medical attention if symptoms such as coughing or discomfort occur.

Most Important Symptoms/Effects (Acute and Delayed): Eye irritation (redness, tearing, discomfort). Mild skin irritation with prolonged contact. Gastrointestinal discomfort or diarrhea if excessive amounts ingested.

Indication of Immediate Medical Attention and Special Treatment Needed: If eye irritation persists after rinsing, or if symptoms of excessive ingestion (severe diarrhea, dehydration) occur, seek medical attention. No specific antidote known; treat symptomatically.

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use media appropriate for surrounding materials (water spray, foam, dry chemical, or CO₂).

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical: Not flammable. Aqueous solution; no significant fire or explosion hazard. Thermal decomposition may produce irritating fumes.

Special Protective Equipment and Precautions for Firefighters: Self-contained breathing apparatus (SCBA) and full protective clothing should be worn when fighting fires involving chemicals. Cool containers with water spray if exposed to fire.

Toxic Gas Emission: Not tested.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with eyes, skin, and clothing. Use appropriate PPE as described in Section 8. Ensure adequate ventilation. Evacuate unnecessary personnel.

Environmental Precautions: Do not release into sewers, soil, or aquatic environments. Prevent further leakage if safe to do so.

Methods and Materials for Containment and Cleaning Up:

Small Spills: Add inert absorbent material (sand, vermiculite, or commercial absorbent) to absorb liquid. Sweep or scoop up and place in suitable container for disposal. Rinse area with water.

Large Spills: Dike area to contain spill. Pump or vacuum spilled material into containers for disposal. Absorb remaining liquid with inert material. Do not dispose in sewer, soil, or aquatic environment. Dispose of in accordance with federal, state, and local regulations.

Reference to Other Sections: See Section 8 for exposure controls/PPE and Section 13 for disposal considerations.

SECTION 7 — HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling and before eating, drinking, or smoking. Use in well-ventilated areas. Avoid prolonged or repeated exposure. Do not ingest except as directed for medical use.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in original closed container out of direct sunlight and/or heat. Avoid freezing and temperatures above 40°C (104°F). Protect from physical damage. Keep away from heat, flame, sparks, and other ignition sources. Store away from incompatible materials (strong oxidizers, strong bases). Keep container tightly closed when not in use.

Work/Hygienic Practices: Wash hands and face thoroughly after handling. Do not eat, drink, or smoke in work areas.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters / Occupational Exposure Limits: No specific exposure limits have been established for this mixture. Components are present at proprietary concentrations below levels expected to cause significant exposure under normal use.

Appropriate Engineering Controls: Use with adequate ventilation. Eyewash fountains and safety showers should be easily accessible in areas where the product is handled. Keep away from ignition sources.

Individual Protection Measures (Personal Protective Equipment):

Eye/Face Protection: Use safety glasses with side shields or chemical goggles when handling to prevent eye contact, especially during transfer or if splashing is possible.

Skin Protection: Use chemical-resistant/impervious gloves (e.g., nitrile, latex) when handling if prolonged contact is anticipated. Wear appropriate protective clothing to minimize skin exposure.

Respiratory Protection: Not normally required under anticipated conditions of use. If ventilation is inadequate or exposure limits are exceeded, use a NIOSH-approved respirator appropriate for the anticipated exposure.

General Hygiene: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling and before eating, drinking, or smoking. Remove and wash contaminated clothing before reuse.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent liquid
Odor:	Light lemon-lime
Odor Threshold:	Not determined
pH:	3.5
Melting Point / Freezing Point:	Not determined (avoid freezing)
Initial Boiling Point / Boiling Range:	Not determined
Flash Point (PMCC):	Not determined (aqueous, non-flammable)
Evaporation Rate:	Not determined
Flammability (solid, gas):	Not applicable (liquid)
Upper/Lower Flammability or Explosive Limits:	Not applicable
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Relative Density (Specific Gravity):	Not determined
Solubility in Water:	Soluble
Partition Coefficient (n-octanol/water):	Not determined
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not determined
Percent Volatile:	Not determined

SECTION 10 — STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use, storage, and transport.

Chemical Stability: Stable under normal conditions and recommended handling and storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur. No hazardous reactions known under normal conditions.

Conditions to Avoid: Avoid freezing and elevated temperatures in storage (>40°C / 104°F). Keep away from heat, flame, sparks, and other ignition sources. Protect from physical damage.

Incompatible Materials: Strong oxidizing agents, strong bases (may cause neutralization or other reactions). No specific incompatibilities identified for normal use.

Hazardous Decomposition Products: Not determined. No hazardous decomposition products expected under normal conditions of use or storage. Thermal decomposition may produce carbon oxides and other irritating fumes.

SECTION 11 — TOXICOLOGICAL INFORMATION

Information on Toxicological Effects: Toxicological data have not been determined specifically for this product. Assessment is based on available data for components and the product description.

Likely Routes of Exposure: Eye contact, skin contact, ingestion (intended medical use), inhalation (unlikely under normal conditions).

Acute Toxicity: Not classified as acutely toxic. Low toxicity expected based on composition (primarily water, food-grade sugar alcohols, and common food additives).

Skin Corrosion/Irritation: Prolonged exposure may cause minor skin irritation (Category 3 or not classified). Not expected to cause corrosion.

Serious Eye Damage/Eye Irritation: Causes eye irritation (Category 2B). pH 3.5 and presence of mild acids support this classification.

Respiratory or Skin Sensitization: Not expected to be a sensitizer based on available information.

Germ Cell Mutagenicity / Carcinogenicity: No components are known or listed as mutagens or carcinogens by IARC, NTP, or OSHA.

Reproductive Toxicity / STOT-SE / STOT-RE: No data available; not expected under normal use.

Aspiration Hazard: Not an aspiration hazard.

Additional Information: Excessive ingestion of sorbitol and mannitol can cause osmotic diarrhea and gastrointestinal discomfort. This is an expected effect at high doses and is the basis for its use in bowel distention procedures.

SECTION 12 — ECOLOGICAL INFORMATION

Ecological studies have not been carried out on this product. No data available on persistence, bioaccumulation, mobility, or toxicity to aquatic life. Based on composition, the product is expected to have low environmental impact when used and disposed of properly. Do not release into waterways or soil.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of contents and container in accordance with all applicable federal, state, and local regulations. Do not dispose of in sewers, soil, or aquatic environments. Empty containers may retain product residue; follow label warnings even after container is emptied. Consult local waste authority for proper disposal methods. This product is not classified as hazardous waste under typical RCRA criteria, but disposal must comply with applicable regulations.

SECTION 14 — TRANSPORT INFORMATION

UN Number: Not regulated / Not applicable

UN Proper Shipping Name: Not regulated / Not applicable

Transport Hazard Class(es): Not regulated as a hazardous material for transportation (DOT, IATA, IMDG)

Packing Group: Not applicable

Environmental Hazards: None known (not a marine pollutant)

Special Precautions for User: Protect from freezing or excessive heat. Keep containers upright and tightly closed. Transport in original packaging or equivalent.

Transport in Bulk According to Annex II of MARPOL and the IBC Code: Not applicable.

SECTION 15 — REGULATORY INFORMATION

U.S. Federal Regulations:

- TSCA (Toxic Substances Control Act): All components are listed on the TSCA Inventory or are exempt from listing (food-grade or medical use substances).
- SARA 302 (Extremely Hazardous Substances): None known.
- SARA 311/312 Hazard Categories: Acute health hazard (eye irritation).
- SARA 313 (Toxic Chemical Release Inventory): None known above de minimis levels.
- CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): None known reportable quantities.

State Regulations: No additional state-specific requirements have been determined for this product.

SECTION 16 — OTHER INFORMATION

Revision / Conversion Information:

Original SDS Prepared: February 2017

This document: Converted to GHS-compliant format — July 2026

This GHS SDS was created based on the information provided in the February 2017 SDS. Hazard classification was inferred from available data (pH 3.5, description of minor irritation, composition). No new testing or independent hazard evaluation was performed.

NFPA 704 Hazard Ratings (estimated):

Health 1	Flammability 0	Instability 0	Special None
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Disclaimer:

The information and recommendations contained herein have been compiled from sources believed to be reliable and to represent the most reasonable opinion on the subject when this SDS was prepared. No warranty, guaranty, or representation is made as to the correctness or sufficiency of the information. The user is responsible for determining the suitability of this product for their particular application and complying with all applicable regulations. Advice in this document relates only to the product as originally supplied and packaged. This document does not constitute a guarantee of product properties. Always consult the most current version of the SDS from the manufacturer for up-to-date information.

End of Safety Data Sheet