

Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • Invert Sugar

Product Code • N/A

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

Recommended use • Human Food and Sweetening Agent

Details of the supplier of the safety data sheet

Company National Sugar Marketing LLC
100 Galleria Parkway SE
Suite 1400
Atlanta, GA 30339

Telephone (General) • 208-383-6500

Emergency telephone number

Manufacturer • 208-383-6515 – Mike Fowers

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Not classified as hazardous

Label elements

OSHA HCS 2012 • Product is subject to labeling requirements of Federal Food, Drug, and Cosmetic Act, 21 U.S.C. 301 *et seq.* (29 CFR §1910.1200(5)(iii))

Eye • Not Applicable

Inhalation • Not Applicable

Other • Product has no hazardous components. (29 CFR §1910.1200)

Note • SDS data pertains to the product as delivered in the original shipping container(s). Risks of adverse effects are lessened by following all prescribed safety precautions including the use of proper personal protective equipment.

Section 3: Composition/Information on Ingredients

Substances

Synonyms

- Calorose
- Insubeta
- Inverdex
- Invertogen
- Invertose
- Nulomoline
- Travert

CAS No.

- 8013-17-0

Formula

- $C_{12}H_{24}O_{12}$

Hazardous Substances Databank No.

- 2008

Weight

- 76.0 – 78.0 RDS

Section 4: First Aid Measures

Description of first aid measures

Eye

- Flush eyes immediately with copious amounts of water.

Ingestion

- No action necessary

Inhalation

- No action necessary

Skin

- No action necessary

Section 5: Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media

- None

Special Hazards

Hazardous Combustion Products

- None

Hazardous Decomposition

- None

Hazardous Reactivities & Incompatibilities

- None

Ignition Temperature

- None

Advice for Firefighters

- None

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- None

Methods and material for containment and cleaning up

Spill Cleanup

- Mechanical means then wash with water.

Section 7: Handling and Storage

Precautions for safe handling

Handling

- No special requirements

Conditions for safe storage, including any incompatibilities

Storage

- Store at ambient temperature and humidity. Temperature should be less than 32° C. Store no longer than 14 days.

Section 8: Exposure Controls/Personal Protection

Exposure Limits

- None

Exposure Controls

Eye Protection

- Optional

Hygiene Measures

- Current Good Manufacturing Practices should be followed. Refer to U.S. Food and Drug Administration Code of Federal Regulations 21 CFR 110.

Section 9: Physical and Chemical Properties

Material Description

Appearance

- Syrup

Color

- Water white to light straw-colored liquid

Boiling Point

- 551.7 °C at 760 mmHg

Flash Point

- 301.5 °C

Molecular Formula	<ul style="list-style-type: none">• $C_{12}H_{24}O_{12}$
Molecular Weight	<ul style="list-style-type: none">• 360.312 g/mol
Odor	<ul style="list-style-type: none">• Sweet
pH	<ul style="list-style-type: none">• 6 – 7 in 50% water solution
Solubility in Water	<ul style="list-style-type: none">• Miscible with water in all proportions
Taste	<ul style="list-style-type: none">• Sweet

Section 10: Stability and Reactivity

Reactivity	<ul style="list-style-type: none">• No dangerous reaction known under conditions of normal use
Chemical stability	<ul style="list-style-type: none">• Stable product at normal temperatures
Incompatible Materials	<ul style="list-style-type: none">• None
Conditions to avoid	<ul style="list-style-type: none">• None
Hazardous Decomposition	<ul style="list-style-type: none">• None

Section 11: Toxicological Information

Information on toxicological effects

Carcinogens	<ul style="list-style-type: none">• None listed
Acute Toxicity	<ul style="list-style-type: none">• No additional adverse health effects noted
Chronic Toxicity	<ul style="list-style-type: none">• No additional adverse health effects noted
Other Acute	<ul style="list-style-type: none">• No additional adverse health effects noted

Section 12: Ecological Information

Toxicity	<ul style="list-style-type: none">• Not dangerous to the environment based on ecotoxicity studies
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Section 13: Disposal Considerations

General Information	<ul style="list-style-type: none">• Dispose of waste in accordance with local authority requirements
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Section 14: Transport Information

General Information

- Transport in food grade containers/trailers

Other Information

- No other transportation requirements

Section 15: Regulatory Information**OSHA**

- OSHA HCS 2012
- 29 CFR §1910.1200
- 29 CFR §1926.55 Appendix A

U.S. Federal Regulations

- Code of Federal Regulations Title 21 Part 110
- Code of Federal Regulations Title 21 Part 184.1859

Section 16: Other Information**Hazard Ratings****National Fire Protection Association (NFPA)**

- Fire = 0
- Health = 0
- Reactivity = 0
- Specific Hazard = None

Abbreviations and acronyms – The following abbreviations may be used in this document.

- C Celsius
- F Fahrenheit
- CAS Chemical Abstracts Service
- CFR Code of Federal Regulations
- gm Grams
- g/cu cm Grams per Cubic Centimeter
- g/mol Grams per Molar Mass
- HCS Hazard Communication Standard
- LC50 Lethal concentration, 50%
- LD50 Lethal dose, 50%

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To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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