GREEN VALLEY LABORATORY

Safety Data Sheet

Saccharide Isomerate

Product Name	Saccharide Isomerate
Source Revision / Issue Date	07/08/2024
Source Version / Revision	1.3
Supplier	Green Valley Laboratory
Address	435 Hartford Pike, Killingly, CT 06241, USA
Contact	Help@dauphineorganics.com
Phone	n/a
Emergency Contact	CHEMTREC Emergency Call Center +1 800-424-9300 (US & Canada) — +1 703-527-3887 (Europe)

SECTION 1 - Identification

Product identifier	Saccharide Isomerate
Recommended use	Ingredient for personal care products.
Supplier name	Green Valley Laboratory
Address	435 Hartford Pike, Killingly, CT 06241, USA
Contact	Help@dauphineorganics.com
Phone	n/a
Emergency response	CHEMTREC Emergency Call Center +1 800-424-9300 (US & Canada) — +1 703-527-3887 (Europe)

SECTION 2 - Hazard Identification

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)	Not a hazardous substance or mixture.
GHS label elements	No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.
Other hazards	None known.

SECTION 3 - Composition / Information on Ingredients

Brief description of the product: Mixture (preparation).

Hazardous components	No hazardous ingredients

SECTION 4 - First Aid Measures

General advice	No hazards which require special first aid measures.
If inhaled	Move to fresh air. If symptoms persist, call a physician.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

If swallowed	Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	No specific symptoms known.
Notes to physician	Treat symptomatically.

SECTION 5 - Fire Fighting Measures

Suitable extinguishing media	Alcohol-resistant foam Dry chemical Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during firefighting	None known.
Further information	Standard procedure for chemical fires.
Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus.

SECTION 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment.
Environmental precautions	Try to prevent the material from entering drains or water courses.
Methods and materials for containment and cleaning up	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

SECTION 7 - Handling and Storage

Advice on protection against fire and explosion	Take necessary action to avoid static electricity discharge. Product will burn under fire conditions.
Advice on safe handling	For personal protection see section 8.
Conditions for safe storage	To maintain product quality, do not store in heat or direct sunlight. Keep container tightly closed and dry.
Materials to avoid	No special restrictions on storage with other products.

SECTION 8 - Exposure Controls / Personal Protection

Components with workplace control parameters	Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection - Remarks	Glove material: for example nitrile rubber
Eye protection	Safety glasses
Skin and body protection	Lightweight protective clothing
Hygiene measures	General industrial hygiene practice.

SECTION 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Property	Value
Appearance	viscous liquid
Colour	pale yellow - amber
Odour	sweet
Odour Threshold	No information available.
pH	4.0 - 5.0
Melting point/range	not determined
Boiling point/boiling range	> 100 °C
Flash point	(Cleveland open cup) boils before flash
Evaporation rate	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Vapour pressure	not determined
Relative vapour density	Not applicable
Relative density	1.240 - 1.255 (20 °C)
Density	not determined
Water solubility	soluble
Solubility in other solvents	Oils and fats: insoluble
Partition coefficient: noctanol/water	Not applicable
Auto-ignition temperature	No data available
Auto-ignition temperature	not determined
Thermal decomposition	No data available
Viscosity, kinematic	not determined
Explosive properties	Not explosive
Oxidizing properties	No data available

Other information	No data available

SECTION 10 - Stability and Reactivity

Reactivity	No hazards to be specially mentioned.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Possible incompatibility with materials listed under section 10.5.
Conditions to avoid	Heat
Incompatible materials	Strong acids and strong bases Strong oxidizing agents
Hazardous decomposition products	No decomposition if used as directed.

SECTION 11 - Toxicological Information

Acute oral toxicity	Acute toxicity estimate : > 2,000 mg/kg (Calculation method)
Skin irritation	No skin irritation (Human, Patch Test 48 Hrs.) no phototoxic skin reaction (Guinea pig)

Eye irritation	No eye irritation (Rabbit, OECD Test Guideline 405)
Sensitisation	Did not cause sensitization. (Guinea pig, OECD Test Guideline 406) no photoallergenic skin reaction (Guinea pig)
Genotoxicity in vitro	not mutagenic (Ames test, OECD Test Guideline 471) not genotoxic (Chromosome aberration test in vitro, OECD Test Guideline 487)
Carcinogenicity	No indication for carcinogenicity known.

Carcinogen listings

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity	This information is not available.
STOT - single exposure (Acute exposure)	The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT - repeated exposure	This information is not available.
Aspiration toxicity	No aspiration toxicity classification

SECTION 12 - Ecological Information

Toxicity	No data is available on the product itself.
Persistence and degradability - Biodegradability	Taking into consideration the properties of several components, the product is estimated to be biodegradable according to OECD classification.
Bioaccumulative potential - Bioaccumulation	No data available
Partition coefficient: noctanol/water	Not applicable
Mobility in soil - Distribution among environmental compartments	No data available
Other adverse effects - Ozone-Depletion Potential	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	There is no data available for this product.

SECTION 13 - Disposal Considerations

Disposal methods - Waste from residues	Offer surplus and non-recyclable solutions to a licensed disposal company. User must determine if any wastes generated exhibit hazardous characteristics as per 40 CFR Part 261 or other national / local legislation.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 - Transport Information

International Regulations

Regulation	Status
UNRTDG	Not regulated as a dangerous good
IATA-DGR	Not regulated as a dangerous good
IMDG-Code	Not regulated as a dangerous good
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable for product as supplied.

National Regulations

Regulation	Status
49 CFR	Not regulated as a dangerous good

Special precautions for user - Remarks	Not classified as dangerous in the meaning of transport regulations.

SECTION 15 - Regulatory Information

CERCLA Reportable Quantity	This material does not contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances Reportable Quantity	This material does not contain any components with a section 304 EHS RQ.
SARA 302 Extremely Hazardous Substances Threshold Planning Quantity	This material does not contain any components with a section 302 EHS TPQ.
SARA 311/312 Hazards	No SARA Hazards
SARA 313	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307
This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know	No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Component	CAS Number
saccharide isomerate	100843-69-4
water	7732-18-5

Maine Chemicals of High Concern	Product does not contain any listed chemicals
Vermont Chemicals of High Concern	Product does not contain any listed chemicals
Washington Chemicals of High Concern	Product does not contain any listed chemicals

Chemical inventories

The components of this product are reported in the following inventories:

Inventory	Status
TCSI	Not in compliance with the inventory
TSCA	Product contains substance(s) not listed on TSCA inventory.
AIIC	Not in compliance with the inventory
DSL	This product contains the following components that are not on the Canadian DSL nor NDSL. saccharide isomerate
ENCS	On the inventory, or in compliance with the inventory
ISHL	On the inventory, or in compliance with the inventory
KECI	Not in compliance with the inventory
PICCS	Not in compliance with the inventory
IECSC	Not in compliance with the inventory
NZIoC	On the inventory, or in compliance with the inventory
TECI	Not in compliance with the inventory

TSCA list

No substances are subject to a Significant New Use Rule.
No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16 - Other Information

Further information

NFPA 704 ratings: Health 0; Flammability 1; Instability 0; Special hazard: none indicated.
HMIS IV ratings: Health 1 (no chronic hazard indicator); Flammability 1; Physical Hazard 0.
HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

Abbreviation	Meaning
AIIC	Australian Inventory of Industrial Chemicals
ASTM	American Society for the Testing of Materials
bw	Body weight
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DIN	Standard of the German Institute for Standardisation
DOT	Department of Transportation
DSL	Domestic Substances List (Canada)
ECx	Concentration associated with x% response
EHS	Extremely Hazardous Substance
ELx	Loading rate associated with x% response
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
ErCx	Concentration associated with x% growth rate response
ERG	Emergency Response Guide
GHS	Globally Harmonized System
GLP	Good Laboratory Practice
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association

Abbreviation	Meaning
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50	Half maximal inhibitory concentration
ICAO	International Civil Aviation Organization
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISHL	Industrial Safety and Health Law (Japan)
ISO	International Organisation for Standardization
KECI	Korea Existing Chemicals Inventory
LC50	Lethal Concentration to 50 % of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL	International Convention for the Prevention of Pollution from Ships
MSHA	Mine Safety and Health Administration
n.o.s.	Not Otherwise Specified
NFPA	National Fire Protection Association
NO(A)EC	No Observed (Adverse) Effect Concentration
NO(A)EL	No Observed (Adverse) Effect Level
NOELR	No Observable Effect Loading Rate
NTP	National Toxicology Program
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Co-operation and Development
OPPTS	Office of Chemical Safety and Pollution Prevention
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
(Q)SAR	(Quantitative) Structure Activity Relationship
RCRA	Resource Conservation and Recovery Act
REACH	Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RQ	Reportable Quantity
SADT	Self-Accelerating Decomposition Temperature
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
TCSI	Taiwan Chemical Substance Inventory
TECI	Thailand Existing Chemicals Inventory
TSCA	Toxic Substances Control Act (United States)
UN	United Nations
UNRTDG	United Nations Recommendations on the Transport of Dangerous Goods
vPvB	Very Persistent and Very Bioaccumulative
ACGIH	American Conference of Governmental Industrial Hygienists.
CFR	Code of Federal Regulations.
EPA	Environmental Protection Agency.
NIOSH	National Institute of Occupational Safety and Health.
OSHA	Occupational Safety and Health Administration.

Abbreviation	Meaning
STEL	Short term exposure limit.
TLV	Threshold Limit Value.
TLV-C	Ceiling Limit Value.
TWA	Time Weighted Average.

Source document control

Source version	1.3.
Source revision date	07/08/2024.
Source date of last issue	12/14/2022.

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