

## GlucoTain Care

Page 1

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Corporation 500 East Morehead Street Charlotte, NC, 28202 Telephone No.: +1 704 331 7000
<b>Information of the substance/preparation:</b>	Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com
<b>Emergency tel. number:</b>	+1 800-424-9300 CHEMTREC

**Trade name:** GlucoTain Care**Material number:** 282128**Primary product use:** Raw material for detergents**Chemical family:** Glucamide in aqueous-glycolic solution

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Serious eye damage : Category 1

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.**Prevention:**

P280 Wear eye protection/ face protection.

**Response:**

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

## GlucoTain Care

Page 2

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

**Other hazards**

No additional hazards are known except those derived from the labelling.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.	1591783-13-9	<b>&gt;= 30 - &lt; 50</b>
Propylene Glycol	57-55-6	<b>&gt;= 1 - &lt; 5</b>
Glycerine	56-81-5	<b>&gt;= 1 - &lt; 5</b>
Citric acid	77-92-9	<b>&gt;= 1 - &lt; 5</b>

**Actual concentration is withheld as a trade secret**

**SECTION 4. FIRST AID MEASURES**

- General advice : Remove/ Take off immediately all contaminated clothing.
- If inhaled : Move the victim to fresh air.  
Give oxygen or artificial respiration if needed.  
Get immediate medical advice/ attention.  
Never give anything by mouth to an unconscious person.
- In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
- In case of eye contact : Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.
- If swallowed : If swallowed give patient 2 glasses of water.  
Get immediate medical advice/ attention.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).  
No additional symptoms are known.  
Causes serious eye damage.
- Notes to physician : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam
- Unsuitable extinguishing : Dry powder

## GlucoTain Care

Page 3

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

media	Carbon dioxide (CO <sub>2</sub> ) High volume water jet
Specific hazards during firefighting	: In case of fire hazardous decomposition products may be produced such as:  Nitrogen oxides (NO <sub>x</sub> )  Carbon monoxide
Further information	: Wear full protective clothing and self-contained breathing apparatus.
Special protective equipment for firefighters	: Self-contained breathing apparatus

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	: Ensure adequate ventilation. Wear suitable protective equipment. Wearing appropriate personal protective equipment, contain spill, ventilate area of spill or leak, remove all sparking devices or ignition sources, collect onto inert absorbent, and place in a suitable container.
Environmental precautions	: Do not allow to enter drains or waterways
Methods and materials for containment and cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion	: Observe the general rules of industrial fire protection
Advice on safe handling	: Use only with adequate ventilation and proper protective eyewear, gloves, and clothing. Wash thoroughly after handling.
Further information on storage conditions	: Keep container closed.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Propylene Glycol	57-55-6	TWA	10 mg/m <sup>3</sup>	US WEEL
Glycerine	56-81-5	TWA (mist,	5 mg/m <sup>3</sup>	OSHA Z-1

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

		respirable fraction)		
		TWA (mist, total dust)	15 mg/m3	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m3	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m3	OSHA P0

**Engineering measures** : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

**Personal protective equipment**

**Respiratory protection** : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Hand protection**  
Remarks : Butyl Rubber, PVC Or Neoprene.

**Eye protection** : Chemical splash goggles with face shield.

**Skin and body protection** : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.  
Wear suitable protective equipment.

**Protective measures** : Avoid contact with skin and eyes.

**Hygiene measures** : Wash hands before breaks and at the end of workday.  
Use protective skin cream before handling the product.  
Take off immediately all contaminated clothing and wash it before reuse.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** : paste

**Colour** : white to light yellow

## GlucoTain Care

Page 5

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Odour	:	characteristic
Odour Threshold	:	not determined
pH	:	5 - 7 (95 °F / 35 °C) Concentration: 1 %
Melting point	:	approx. 90 °F / 32 °C
Boiling point	:	approx. 212 °F / 100 °C Based on water-content.
Flash point	:	Not applicable
Evaporation rate	:	not determined
Flammability (solid, gas)	:	The product is not flammable. Method: Flammability (solids) Remarks: Information based on the active ingredient.
Self-ignition	:	> 275 °F / > 135 °C
Upper explosion limit / upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Vapour pressure	:	2.3 hPa (77 °F / 25 °C) Corresp. to vapour pressure of water
Relative vapour density	:	Not applicable
Relative density	:	Not applicable
Density	:	approx. 1.046 g/cm <sup>3</sup> (122 °F / 50 °C) Method: DIN 51757
Solubility(ies)		
Water solubility	:	soluble (104 °F / 40 °C)
Solubility in other solvents	:	39 g/l (68 °F / 20 °C) Data corresponds to that of the active component Solvent: 1-octanol Method: OECD Test Guideline 105
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	not determined
Decomposition temperature	:	> 392 °F / > 200 °C

## GlucoTain Care

Page 6

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Heating rate: 3 K/min  
Method: DSC

Viscosity	
Viscosity, dynamic	: not determined
Viscosity, kinematic	: not determined
Explosive properties	: Not explosive
Oxidizing properties	: There are no chemical groups associated with oxidising properties present in the molecule.
Self-heating substances	: not determined
Dust explosion class	: not capable of dust explosion
Metal corrosion rate	: Not applicable
Particle size	: Not applicable

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use. Stable
Conditions to avoid	: Keep away from heat, sparks, open flames, and other sources of ignition. Avoid dust formation.
Incompatible materials	: not known
Hazardous decomposition products	: No decomposition if stored and applied as directed.

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**Eye contact  
Ingestion  
Inhalation  
Skin contact**Acute toxicity**

Not classified due to lack of data.

## GlucoTain Care

Page 7

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

**Product:**

- Acute oral toxicity : LD50 (Rat): 2,500 mg/kg  
Method: OECD Test Guideline 423  
Remarks: Information refers to the main component.
- Acute inhalation toxicity : Remarks: not tested.
- Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: By analogy with a product of similar composition

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

- Acute oral toxicity : LD50 (Rat, female): ca. 2,500 mg/kg  
Method: OECD Test Guideline 423  
Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : Remarks: no data available
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

**Propylene Glycol:**

- Acute oral toxicity : LD50 (Rat, male and female): 22,000 mg/kg  
Method: Other  
GLP: no
- Acute inhalation toxicity : LC50 (Rabbit, no data available): > 317.042 mg/l  
Exposure time: 2 h  
Test atmosphere: dust/mist  
Method: Other  
GLP: no
- Acute dermal toxicity : LD50 (Rabbit, no data available): > 2,000 mg/kg  
Method: Other  
GLP: no  
Assessment: The substance or mixture has no acute dermal toxicity

**Glycerine:**

- Acute oral toxicity : LD50 (Rat, female): 27,200 mg/kg  
Method: Other  
GLP: no
- Acute inhalation toxicity : LC50 (Rat, male): 4,655 mg/l  
Exposure time: 7 h  
Test atmosphere: vapour

## GlucoTain Care

Page 8

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Method: Other  
GLP: noAcute dermal toxicity : LD50 (Guinea pig, male and female): 56,750 mg/kg  
Method: Other  
GLP: no**Citric acid:**Acute oral toxicity : LD50 (Mouse, male and female): 5,400 mg/kg  
Method: OECD Test Guideline 401  
GLP: no  
Remarks: No significant adverse effects were reported

Acute inhalation toxicity : Remarks: not required

Acute dermal toxicity : LC50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Product:**Species : EPISKIN Human Skin Model Test  
Method : OECD Test Guideline 439  
Result : No skin irritation  
Remarks : The values mentioned are those of the active ingredient.Species : Rabbit  
Exposure time : 4 h  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes  
Remarks : The values mentioned are those of the active ingredient.**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**Species : reconstructed human epidermis (RhE)  
Method : OECD Test Guideline 439  
Result : No skin irritation**Propylene Glycol:**Species : Rabbit  
Exposure time : 4 h  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : No information available.



## GlucoTain Care

Page 9

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

**Glycerine:**

Species : Rabbit  
Exposure time : 24 h  
Method : Other  
Result : No skin irritation  
GLP : no

**Citric acid:**

Species : Rabbit  
Exposure time : 4 h  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Species : rabbit eye  
Result : Risk of serious damage to eyes.  
Method : OECD Test Guideline 405  
Remarks : The values mentioned are those of the active ingredient.

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

Species : Rabbit  
Result : Risk of serious damage to eyes.  
Method : OECD Test Guideline 405  
GLP : yes

**Propylene Glycol:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405  
GLP : No information available.

**Glycerine:**

Species : rabbit eye  
Result : non-irritant  
Exposure time : <= 7 d  
Method : Other  
GLP : no

**Citric acid:**

Species : rabbit eye  
Assessment : Irritating to eyes.

## GlucoTain Care

Page 10

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Method : OECD Test Guideline 405  
GLP : yes

**Respiratory or skin sensitisation****Skin sensitisation**

Not classified due to lack of data.

**Respiratory sensitisation**

Not classified due to lack of data.

**Product:**

Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : non-sensitizing  
Remarks : Information based on the active ingredient.

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

Test Type : Maximisation Test  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.

**Propylene Glycol:**

Test Type : Local lymph node assay (LLNA)  
Exposure routes : Dermal  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : Not a skin sensitizer.  
GLP : No information available.

Test Type : Maximisation Test  
Exposure routes : Dermal  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.  
GLP : No information available.

**Glycerine:**

Remarks : not required

**Citric acid:**

Exposure routes : Dermal  
Result : Not a skin sensitizer.  
Remarks : not required

Assessment : Causes serious eye irritation.

## GlucoTain Care

Page 11

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

**Germ cell mutagenicity**

Not classified due to lack of data.

**Product:**

- Genotoxicity in vitro : Test Type: HGPRT assay  
Test system: V79 cells (embryonic lung fibroblasts) of the Chinese hamster  
Method: OECD Test Guideline 476  
Result: negative  
Remarks: Information refers to the main component.
- Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse  
Method: OECD Test Guideline 474  
Result: negative  
Remarks: Information refers to the main component.
- Germ cell mutagenicity - Assessment : Not mutagenic in Ames Test

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

- Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative
- Test Type: Mammalian cell gene mutation assay  
Test system: Chinese hamster fibroblasts  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative
- Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Strain: NMRI  
Application Route: oral (gavage)  
Method: OECD Test Guideline 474  
Result: negative
- Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

**Propylene Glycol:**

- Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Concentration: <= 10 mg/plate  
Metabolic activation: with  
Method: Ames test  
Result: negative

## GlucoTain Care

Page 12

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

GLP: No information available.

Test Type: Chromosome aberration test in vitro  
Test system: Human lymphocytes  
Concentration: 7,4 - 3810 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: yes

Genotoxicity in vivo : Test Type: Chromosome Aberration Test  
Species: Rat (male)  
Strain: Sprague-Dawley  
Cell type: Bone marrow  
Application Route: oral (gavage)  
Exposure time: 6 - 24 - 48 h  
Dose: 30, 2500, and 5000 mg/kg  
Method: Other  
Result: negative  
GLP: no

Test Type: In vivo micronucleus test  
Species: Mouse (male)  
Cell type: Erythrocytes  
Application Route: Intraperitoneal injection  
Exposure time: 18 h  
Dose: 0, 2500, 5000, 10000, 15000 mg  
Method: Other  
Result: negative  
GLP: No information available.

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

**Glycerine:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Concentration: 100 - 10000 µg/plate  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: No information available.

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Concentration: 100 - 1000 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: No information available.

Test Type: Unscheduled DNA synthesis  
Test system: rat hepatocytes

## GlucoTain Care

Page 13

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Concentration: 100 - 1000 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 482  
Result: negative  
GLP: No information available.

Test Type: In vitro gene mutation study in mammalian cells  
Test system: Chinese hamster ovary cells  
Concentration: 100 - 1000 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: No information available.

Germ cell mutagenicity - Assessment : It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests.

**Citric acid:**

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Test system: Human lymphocytes  
Concentration: 50 - 3000 µg/ml  
Metabolic activation: without  
Method: OECD Test Guideline 487  
Result: positive  
GLP: No information available.

Test Type: Ames test  
Test system: Salmonella typhimurium  
Concentration: <= 5000 µg/plate  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: No information available.

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Rat (male)  
Strain: Sprague-Dawley  
Cell type: Bone marrow  
Application Route: oral (gavage)  
Exposure time: 1 - 5 d  
Dose: 1-5x 1,2-120-300-3500 mg/kg  
Method: OECD Test Guideline 475  
Result: negative  
GLP: no

Test Type: dominant lethal test  
Species: Rat (male)  
Strain: Sprague-Dawley  
Cell type: Bone marrow  
Application Route: oral (gavage)  
Exposure time: 1 - 5 d  
Dose: 1-5x 1,2-120-300-3500 mg/kg  
Method: Other

## GlucoTain Care

Page 14

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Result: negative  
GLP: no

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

**Carcinogenicity**

Not classified due to lack of data.

**Product:**

Carcinogenicity - Assessment : No information available.

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

Carcinogenicity - Assessment : No information available.

**Propylene Glycol:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**Glycerine:**

Carcinogenicity - Assessment : Did not show carcinogenic effects in animal experiments.

**Citric acid:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**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**

Not classified due to lack of data.

**Product:**

Reproductive toxicity - Assessment : No information available.

No information available.

## GlucoTain Care

Page 15

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

Effects on foetal development : Test Type: Pre-natal  
Species: Rat  
Application Route: oral (gavage)  
Dose: 0, 15, 150, 363 mg/kg bw/d  
General Toxicity Maternal: NOAEL: 150 mg/kg body weight  
Developmental Toxicity: NOAEL: >= 363 mg/kg body weight  
Method: OECD Test Guideline 414  
Remarks: By analogy with a product of similar composition

**Propylene Glycol:**

Effects on fertility : Test Type: Two-generation study  
Species: Mouse, male and female  
Strain: CD1  
Application Route: Drinking water  
Dose: 1820 - 4800 - 10100 mg/kg  
General Toxicity - Parent: NOAEL: 10,100 mg/kg body weight  
General Toxicity F1: NOAEL: 10,100 mg/kg body weight  
General Toxicity F2: NOAEL: 10,100 mg/kg body weight  
Method: Other  
GLP: No information available.

Effects on foetal development : Test Type: Pre-natal  
Species: Mouse, female  
Strain: CD1  
Application Route: oral (gavage)  
Dose: 520 - 5200 - 10400 mg/kg  
Duration of Single Treatment: 9 d  
General Toxicity Maternal: NOAEL: 520 mg/kg body weight  
Teratogenicity: NOAEL: 1,040 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: yes

Reproductive toxicity - Assessment : No reproductive toxicity to be expected.  
No teratogenic effects to be expected.

**Glycerine:**

Effects on fertility : Test Type: Two-generation study  
Species: Rat, male and female  
Application Route: Drinking water  
Dose: 2000 mg/kg  
General Toxicity - Parent: NOAEL: > 2,000 mg/kg body weight  
General Toxicity F1: NOAEL: > 2,000 mg/kg body weight  
General Toxicity F2: NOAEL: > 2,000 mg/kg body weight  
Method: Other  
GLP: no

Effects on foetal development : Species: Rat  
Strain: wistar

## GlucoTain Care

Page 16

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Application Route: oral (gavage)  
Dose: 1,31-60,8-282-1310mg/kg  
General Toxicity Maternal: NOAEL: 1,310 mg/kg body weight  
Teratogenicity: NOAEL: 1,310 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: no

Reproductive toxicity -  
Assessment : No reproductive toxicity to be expected.  
No teratogenic effects to be expected.

**Citric acid:**

Effects on foetal  
development : Test Type: Fertility/early embryonic development  
Species: Rat, female  
Strain: wistar  
Application Route: oral (gavage)  
Dose: 0, 2.95, 13.7, 63.6, 295 mg/k  
Duration of Single Treatment: 10 d  
Frequency of Treatment: 1 daily  
Teratogenicity: NOAEL: > 295 mg/kg body weight  
Method: Other  
GLP: no

Reproductive toxicity -  
Assessment : No evidence of adverse effects on sexual function and fertility,  
or on development, based on animal experiments.

**STOT - single exposure**

Not classified due to lack of data.

**Product:**

Remarks : not tested.

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

Assessment : The substance or mixture is not classified as specific target  
organ toxicant, single exposure.

**Propylene Glycol:**

Assessment : The substance or mixture is not classified as specific target  
organ toxicant, single exposure.

**Glycerine:**

Assessment : The substance or mixture is not classified as specific target  
organ toxicant, single exposure.

**Citric acid:**

Assessment : May cause respiratory irritation.



## GlucoTain Care

Page 17

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

**STOT - repeated exposure**

Not classified due to lack of data.

**Product:**

Remarks : not tested.

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Propylene Glycol:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Glycerine:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Citric acid:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Repeated dose toxicity****Product:**

Species : Rat  
NOAEL : 750 mg/kg  
Exposure time : 28 d  
Method : OECD Test Guideline 407  
Remarks : Information refers to the main component.

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

Species : Rat, male and female  
NOAEL : 200 mg/kg bw/day  
Application Route : oral (gavage)  
Exposure time : 91 d  
Number of exposures : daily  
Dose : 0, 10, 50, 200, 500 mg/kg bw/d  
Method : OECD Test Guideline 408  
Remarks : By analogy with a product of similar composition

**Propylene Glycol:**

Species : Rat, male and female  
NOAEL : 1.700 - 2.100 mg/kg bw/day

## GlucoTain Care

Page 18

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Application Route : oral (feed)  
Exposure time : 2 a  
Number of exposures : daily  
Dose : 200, 400, 900, 1700 mg/kg bw  
Control Group : yes  
Method : Other  
GLP : no

Species : Cat, male  
NOAEL : 443 mg/kg bw/day  
Application Route : oral (feed)  
Exposure time : 69 - 94 d  
Number of exposures : daily  
Dose : 80 - 4239 mg/kg  
Control Group : yes  
Method : Other  
GLP : no

Species : Rat, male and female  
LOEL : 0.16 mg/l  
Application Route : Inhalation  
Test atmosphere : dust/mist  
Exposure time : 90 d  
Number of exposures : 6 hours/day, 5 days/week  
Dose : 0,16 - 1,01 - 2,18 mg/l  
Control Group : yes  
Method : Other  
GLP : No information available.

Species : Mouse, female  
NOAEL : 0.02  
Application Route : Dermal  
Exposure time : Lifespan  
Number of exposures : 2x / w  
Dose : 10-50-100% / 0.02 ml acetone  
Control Group : yes  
Method : Other  
GLP : no  
Remarks : No pathological findings

**Glycerine:**

Species : Rat, male and female  
NOAEL : 8,000 - 10,000 mg/kg  
Application Route : oral (feed)  
Exposure time : 2 a  
Number of exposures : daily  
Dose : 5 - 10 - 20 % in diet  
Control Group : yes  
Method : Other  
GLP : no

Species : Rat, male and female  
NOAEL : 0.167 mg/l

**GlucoTain Care**

Page 19

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Application Route : Inhalation  
Exposure time : 13 w  
Number of exposures : 6 hours/day, 5 days/week  
Dose : 33 - 165 - 660 mg/m<sup>3</sup>  
Control Group : yes  
Method : OECD Test Guideline 413  
GLP : No information available.

Species : Rabbit  
NOAEL : 5,040 mg/kg  
Application Route : Skin contact  
Exposure time : 45 w  
Number of exposures : 8 hours/day, 5 days/week  
Dose : 0,5 - 4,0 ml/kg  
Control Group : yes  
Method : Other  
GLP : no

**Citric acid:**

Species : Rat  
NOAEL : 4000 mg/kg bw/day  
LOAEL : 8,000 mg/kg  
Application Route : oral (gavage)  
Exposure time : 10 d  
Number of exposures : daily  
Dose : 2, 4, 8, 16 g/kg bw/day  
Control Group : yes  
Method : Other  
GLP : no

Repeated dose toxicity - Assessment : Causes serious eye irritation.

**Aspiration toxicity**

Not classified due to lack of data.

**Components:**

**D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

no data available

**Propylene Glycol:**

No aspiration toxicity classification

**Glycerine:**

No aspiration toxicity classification

**Citric acid:**

No aspiration toxicity classification

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

**Experience with human exposure****Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 7.5 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: By analogy with a product of similar composition
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 5.91 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: The values mentioned are those of the active ingredient.
- Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 30 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: By analogy with a product of similar composition
- NOEC (Selenastrum capricornutum (green algae)): 5.6 mg/l  
Remarks: The values mentioned are those of the active ingredient.
- Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 4.8 mg/l  
Exposure time: 35 d  
Remarks: The values mentioned are those of the active ingredient.
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 3.24 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211  
Remarks: The values mentioned are those of the active ingredient.
- Toxicity to microorganisms : EC50 (activated sludge): 171 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 7.5 mg/l  
End point: mortality  
Exposure time: 96 h

## GlucoTain Care

Page 21

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

- Test Type: semi-static test  
Method: OECD Test Guideline 203  
Remarks: By analogy with a product of similar composition
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 7.29 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (*Desmodesmus subspicatus* (green algae)): 49 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201
- Toxicity to fish (Chronic toxicity) : NOEC (*Pimephales promelas* (fathead minnow)): 4.8 mg/l  
End point: mortality  
Exposure time: 35 d  
Test Type: flow-through test  
Method: OECD Test Guideline 210  
Remarks: By analogy with a product of similar composition
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (*Daphnia magna* (Water flea)): 3.24 mg/l  
End point: Reproduction rate  
Exposure time: 21 d  
Test Type: semi-static test  
Method: OECD Test Guideline 211
- Toxicity to microorganisms : NOEC: 1000  
Exposure time: 28 d  
Test Type: Soil  
Method: OECD 216
- Toxicity to soil dwelling organisms : Test Type: artificial soil  
NOEC (*Eisenia fetida* (earthworms)): 1000 mg/kg dry weight (d.w.)  
Exposure time: 56 d  
End point: Reproduction  
Remarks: By analogy with a product of similar composition
- Propylene Glycol:**
- Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 40,613 mg/l  
End point: mortality  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: yes  
Method: Other  
GLP: no
- Toxicity to daphnia and other aquatic invertebrates : LC50 (*Mysidopsis bahia* (opossum shrimp)): 18,800 mg/l  
End point: mortality  
Exposure time: 96 h

## GlucoTain Care

Page 22

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

	Test Type: static test Analytical monitoring: yes Method: Other GLP: yes
Toxicity to algae/aquatic plants	: ErC50 (Pseudokirchneriella subcapitata (green algae)): 19,000 mg/l End point: Growth rate Exposure time: 96 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes  ErC50 (Skeletonema costatum (marine diatom)): 19,100 mg/l End point: Growth rate Exposure time: 96 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes
Toxicity to fish (Chronic toxicity)	: Chronic Toxicity Value (Fish): 2,500 mg/l End point: Other Exposure time: 30 d Method: Other GLP: no Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Ceriodaphnia spec.): 13,020 mg/l End point: Reproduction rate Exposure time: 7 d Test Type: semi-static test Analytical monitoring: yes Method: Other GLP: No information available.
Toxicity to microorganisms	: NOEC (Pseudomonas putida): > 20,000 mg/l End point: Growth rate Exposure time: 18 h Test Type: Growth inhibition Analytical monitoring: no Method: Other GLP: no
Sediment toxicity	: LC50: 6983 mg/kg dry weight (d.w.) Analytical monitoring: yes Solvent: no Duration: 10 d Test Type: static test Sediment: Natural sediment Basis for effect: mortality

## GlucoTain Care

Page 23

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Method: Other  
GLP: yes**Glycerine:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: no data available  
Method: Other  
GLP: no  
Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 24 h  
Test Type: static test  
Analytical monitoring: no data available  
Method: OECD Test Guideline 202  
GLP: no  
Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to algae/aquatic plants : NOEC (Scenedesmus quadricauda (Green algae)): >= 10,000 mg/l  
End point: Biomass  
Exposure time: 8 d  
Test Type: static test  
Analytical monitoring: no data available  
Method: Other  
GLP: no  
Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to fish (Chronic toxicity) : Remarks: not required
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: not required
- Toxicity to microorganisms : NOEC (Pseudomonas putida): > 10,000 mg/l  
End point: Bacteria toxicity (growth inhibition)  
Exposure time: 16 h  
Test Type: aquatic  
Analytical monitoring: no data available  
Method: Other  
GLP: No information available.
- Toxicity to soil dwelling organisms : Remarks: Not applicable
- Plant toxicity : Remarks: Not applicable

## GlucoTain Care

Page 24

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

- Sediment toxicity : Remarks: Not applicable
- Toxicity to terrestrial organisms : Remarks: Not applicable
- Citric acid:**
- Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 440 - 760 mg/l  
End point: mortality  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 203  
GLP: no  
Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,535 mg/l  
End point: mortality  
Exposure time: 24 h  
Test Type: static test  
Analytical monitoring: no  
Method: Other  
GLP: no  
Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to algae/aquatic plants : NOEC (Scenedesmus quadricauda (Green algae)): 425 mg/l  
End point: Biomass  
Exposure time: 8 d  
Test Type: static test  
Analytical monitoring: no  
Method: Other  
GLP: no  
Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to fish (Chronic toxicity) : Remarks: not required
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: not required
- Toxicity to microorganisms : (Pseudomonas putida): > 10,000 mg/l  
End point: Growth rate  
Exposure time: 16 h  
Test Type: aquatic  
Analytical monitoring: no data available  
Method: Other  
GLP: No information available.  
Remarks: The details of the toxic effect relate to the nominal concentration.



## GlucoTain Care

Page 25

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Toxicity to terrestrial organisms : NOEC (other avian): > 4,000 mg/kg  
Exposure time: 14 d  
End point: mortality  
Method: Other

**Persistence and degradability****Product:**

Biodegradability : Biodegradation: > 80 %  
Method: OECD Test Guideline 301B  
Remarks: By analogy with a product of similar composition

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

Biodegradability : Inoculum: activated sludge  
Carbon dioxide (CO<sub>2</sub>)  
Result: Readily biodegradable.  
Biodegradation: 84.9 %  
Exposure time: 29 d  
Method: OECD Test Guideline 301B  
Remarks: By analogy with a product of similar composition

**Propylene Glycol:**

Biodegradability : aerobic  
Inoculum: activated sludge  
Concentration: 100 mg/l ThOD  
Biochemical Oxygen Demand (BOD)  
Result: Readily biodegradable.  
Biodegradation: 100 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
GLP: yes

aerobic  
Inoculum: activated sludge  
Concentration: 50.3 mg/l  
Carbon dioxide (CO<sub>2</sub>)  
Result: Readily biodegradable.  
Biodegradation: 90.6 %  
Exposure time: 64 d  
Method: OECD Test Guideline 306  
GLP: yes

**Glycerine:**

Biodegradability : aerobic  
Inoculum: activated sludge, industrial  
Concentration: 226 mg/l  
TOC  
Result: Readily biodegradable.  
Biodegradation: 94 %

## GlucoTain Care

Page 26

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Exposure time: 24 h

Method: Other

GLP: no

**Citric acid:**

Biodegradability

: aerobic  
 Inoculum: domestic sewage  
 Concentration: 10 mg/l  
 Carbon dioxide (CO<sub>2</sub>)  
 Result: Readily biodegradable.  
 Biodegradation: 97 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301B  
 GLP: No information available.

aerobic  
 Inoculum: domestic sewage  
 Concentration: 3 - 20 mg/l  
 DOC decrease  
 Result: Readily biodegradable.  
 Biodegradation: 100 %  
 Exposure time: 19 d  
 Method: OECD Test Guideline 301E  
 GLP: No information available.

aerobic  
 Inoculum: domestic sewage  
 Concentration: 400 mg/l  
 DOC decrease  
 Result: Readily biodegradable.  
 Biodegradation: 85 %  
 Exposure time: 14 d  
 Method: OECD Test Guideline 302B  
 GLP: No information available.

Physico-chemical removability : Remarks: Readily biodegradable, according to appropriate OECD test.

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: not tested.

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Partition coefficient: n-octanol/water : log Pow: 2.9 (68 °F / 20 °C)  
 pH: 6.13

## GlucoTain Care

Page 27

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

Method: OECD Test Guideline 117

**Propylene Glycol:**

Bioaccumulation : Bioconcentration factor (BCF): 0.09  
Method: calculated  
GLP: no  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

Partition coefficient: n-octanol/water : log Pow: -1.07 (68.9 °F / 20.5 °C)  
pH: 6.3  
Method: Regulation (EC) No. 440/2008, Annex, A.8  
GLP: yes

**Glycerine:**

Bioaccumulation : Remarks: Due to the low logPow bioaccumulation is not expected

**Citric acid:**

Bioaccumulation : Bioconcentration factor (BCF): 3.2  
Method: calculated  
GLP: no

Partition coefficient: n-octanol/water : log Pow: -1.55  
Method: Other

**Mobility in soil****Product:**

Distribution among environmental compartments : Remarks: not tested.

**Components:****Propylene Glycol:**

Distribution among environmental compartments : Adsorption/Soil  
Medium: water - soil  
log Koc: 0.46  
Method: other (calculated)

Stability in soil : Test Type: Laboratory  
Soil temperature: 77 °F / 25 °C  
Radio label: no  
Percentage dissipation: 96 - 98 %  
Method: Other  
GLP: no

**Glycerine:**

Distribution among : Remarks: Not applicable

## GlucoTain Care

Page 28

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

environmental compartments

**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: no data available

Additional ecological information : no data available

**Components:****D-Glucitol, 1-deoxy-1-(methylamino)-, N-(C8-16 (even numbered) and C18 unsaturated acyl) deriv.:**

Results of PBT and vPvB assessment : The substance is not identified as a PBT or as a vPvB substance.

**Propylene Glycol:**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

**Glycerine:**

Environmental fate and pathways : not available

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

**Citric acid:**

Environmental fate and pathways : no data available

Results of PBT and vPvB assessment : The substance is not identified as a PBT or as a vPvB substance.

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

## GlucoTain Care

Page 29

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

- RCRA - Resource Conservation and Recovery Act  
Waste Code : NONE
- RCRA - Resource Conservation and Recovery Act : This product, if discarded as sold, is not a Federal RCRA hazardous waste.
- Waste from residues : Consult local, state, and federal regulations.
- Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

**SECTION 14. TRANSPORT INFORMATION**

<b>DOT</b>	not restricted
<b>IATA</b>	not restricted
<b>IMDG</b>	not restricted

**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** : Serious eye damage or eye irritation

**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 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).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I

Intermediate or Final VOC's (40 CFR 60.489):

Propylene Glycol	57-55-6	>= 1 - < 5 %
Glycerine	56-81-5	>= 1 - < 5 %

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

## GlucoTain Care

Page 30

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

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

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

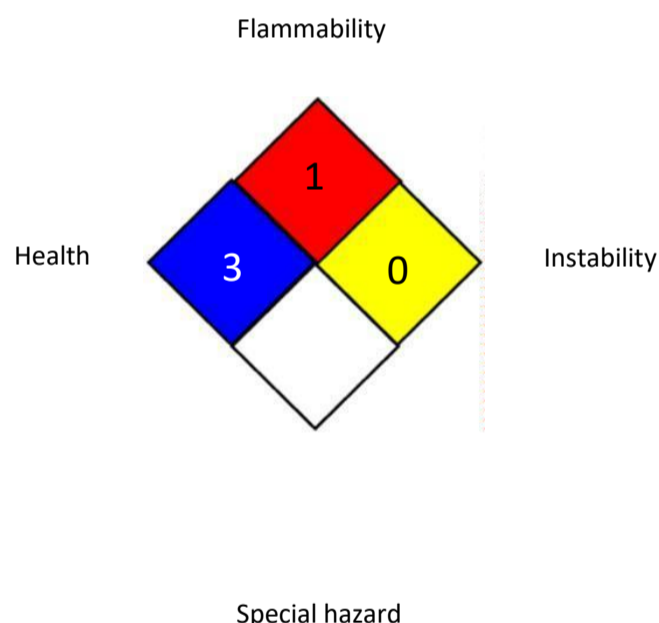
TSCA : This product is not listed on the TSCA Inventory. It is to be used as a cosmetic ingredient only. Any other use will subject the user to penalties under the Toxic Substances Control Act and the regulations issued thereunder.

---

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



#### Full text of other abbreviations

OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)

OSHA P0 / TWA : 8-hour time weighted average

OSHA Z-1 / TWA : 8-hour time weighted average

US WEEL / TWA : 8-hr TWA

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 -

---

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

---

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; 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

Observe national and local legal requirements

This product is not listed on the TSCA Inventory. It is to be used as a cosmetic ingredient only. Any other use will subject the user to penalties under the Toxic Substances Control Act and the regulations issued thereunder.

For additional information, contact Product Stewardship.

Revision Date : 10/19/2023

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

# SAFETY DATA SHEET



## **GlucoTain Care**

Page 32

---

Substance key: 000000565358

Revision Date: 10/19/2023

Version : 5 - 0 / USA

Date of printing :01/15/2024

---

US / EN