

1 Identification

· **Product identifier**

This product is not meant for direct consumption; industrial flavor additive use only. Review this SDS in its entirety before handling this product.

· **Trade name: SWEETENING ENHANCER**

· **Product code:** 56972

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

· **Sector of Use** SU4 Manufacture of food products

· **Product category** PC19 Intermediate

· **Process category**

PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)

· **Environmental release category**

ERC6a Industrial use resulting in manufacture of another substance (use of intermediates)

· **Article category** AC30 Other articles with intended release of substances

· **Application of the substance / the mixture** Food additive

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

FLAVORx, Inc.
9475 Gerwig Lane
Columbia, MD 21046
info@flavorx.com

· **Information department:** Regulatory Affairs

· **Emergency telephone number:**

During normal operation hours: 630-545-9098

Chemtrec (24-hour HAZMAT Communications Center): 1-800-262-8200 Account Number: 8554

2 Hazard(s) identification

· **Classification of the substance or mixture**

The product is not classified according to the Globally Harmonized System (GHS).

· **Label elements**

· **GHS label elements** N/A

· **Hazard pictograms** N/A

· **Signal word** N/A

· **Hazard statements** N/A

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 1

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 1

Fire = 1

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Ingredients:
Stevia Rebaudiana Extract, Vegetable Glycerin, & Water.
- **Dangerous components: None known.**

4 First-aid measures

- **Description of first aid measures**
- **General information: No special measures required.**
- **After inhalation: Supply fresh air; consult doctor in case of complaints.**
- **After skin contact: Wash hands, seek medical attention if irritation occurs.**
- **After eye contact: Rinse opened eye for several minutes under running water.**
- **After swallowing: If symptoms persist consult doctor.**
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed No further relevant information available.**
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture No further relevant information available.**
- **Advice for firefighters**
- **Protective equipment: Respiratory protective device.**

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
See Section 8 for full details on personal protective equipment.
- **Environmental precautions: Dilute with plenty of water.**
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling No special measures required.**
- **Information about protection against explosions and fires: No special measures required.**

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:** Store in a cool, dry place.
- **Requirements to be met by storerooms and receptacles:**
Unless otherwise stated on the specification, store this product at ambient temperatures (50-75°F).
- **Information about storage in one common storage facility:**
If flammable, consult NFPA guidelines for proper storage requirements.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** See section 7.
- **Control parameters:** Control airborne concentrations below the exposure guideline.

	Components with established workplace exposure limits:	Glycerin: . PEL TWA: 10mg/m3
		TWA: 5mg/m3
		TLV TWA: 10mg/m3

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:**
In case of insufficient ventilation, the employer should select a respirator that provides both particulate air filtration and also provides protection against organic vapors.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended.

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Oily liquid
Color:	Clear, light yellow
· Odor:	Herbal, sweet
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Boiling point/Boiling range:	554°F (290 DC)

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· Flash point:	390°F (199°C) minimum
· Flammability (solid, gaseous):	Classification: slight hazard. Material must be preheated before ignition will occur (OSHA Class IIB)
· Ignition temperature:	698 °F (370 °C)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined
Upper:	Not determined
· Vapor pressure at 25 °C	
· Density at	Not determined.
Relative density	Not determined.
· Vapour density	(Air=1):3.1
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	
Water:	
VOC content:	
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability:** Generally stable
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid:** Avoid excessive heat and open flames.
- **Incompatible materials:** Avoid chlorine, fluorine, and other strong oxidizers as well as strong acids.
- **Hazardous decomposition products:** Thermal decomposition releases corrosive fumes of Aerolein.
Decomposition may result in carbon monoxide and carbon dioxide.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

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Additional toxicological information:

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The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories: No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Not known to be hazardous to water.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation:

Disposal must be in accordance with applicable federal, state, or local regulations.

Uncleaned packagings:

Recommendation: Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

UN-Number

DOT, ADR, IMDG, IATA -

UN proper shipping name

DOT, ADR, IMDG, IATA -

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- | | |
|--|-----------------|
| · Transport hazard class(es) | |
| · DOT, ADR, IMDG, IATA | |
| · Class | - |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | - |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.