

SECTION 1.
IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers:

Product name: Itaconix® VELASOFT™

CAS-No.: 26099-89-8

Other identification means:

Synonyms: Poly (sodium itaconate), Poly (itaconic acid, sodium salt), Sodium polyitaconate, Butanedioic acid, 2-methylene-, homopolymer, sodium salt

1.2 Relevant identified uses for the substance and uses advised against :

Recommended use: Skin & hair conditioning, foam stability & texture, enhanced viscosity

Uses advised against: None – assess for suitability before use.

1.3 Details of the supplier of the safety datasheet:

Company: Itaconix Corporation

Address: 2 Marin Way,
Stratham, NH 03885, USA

Telephone: +1 (603) 775-4400

E-mail: info@itaconix.com

1.4 Emergency Telephone Number

Telephone: +1 (603) 775-4400 (Mon – Friday 09:00 – 17:00 US EST)

SECTION 2.
HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to CLP Regulation (EC) No. 1272/2008

Not classified as hazardous substance according to CLP Regulation (EC) No. 1272/2008

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 CLP

The substance does not need to be labelled in accordance with EC Regulations or respective national laws

2.3 Other hazards

None - <0.1% of the substance contains unknown impurities

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component (s): **Product is a polymer based on poly (sodium itaconate).**

Under CLP EC1272/2008 - Composition information not required as substance is not classified as hazardous.

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid measure

General advice: Consult a doctor if any symptoms develop. Show this safety data sheet to the doctor in attendance.

If inhaled: In case of serious inhalation of dust, remove patient to fresh air, allow to rest and keep warm.

In case of prolonged skin contact: Remove contaminated clothing and shoes. Wash clothing and clean shoes before reuse. Wash off with soap and plenty of water.

In case of eye contact: If possible remove contact lenses. Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open.

If swallowed: DO NOT induce vomiting. Rinse mouth out and then drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties of the product have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides.

5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No further data available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

Wear suitable protective clothing to avoid contamination (gloves, eye protection, lab coat/overalls). In the event of burning product, avoid breathing vapours, mist or gas.

6.2 Environmental precautions

Do not let excessive product enter drains.

6.3 Methods and materials for containment and cleaning up

Sweep up powder and place in suitable, closable container for safe disposal.

6.4 Reference to other sections

For protective clothing see Section 8. For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Normal measures as prevention against fire. Minimise exposure to dust in accordance with good industrial practises. Wash hands thoroughly after handling and wear appropriate PPE.

7.2 Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed to avoid contamination. Store in a cool place.

7.3 Specific end uses

Skin & hair conditioning, foam stability & texture, enhanced viscosity

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

INGREDIENTS WITH WORKPLACE CONTROL PARAMETERS: Workplace control parameters are not available for this substance.

DERIVED NO EFFECT LEVEL (DNEL) FOR SUBSTANCE: Workplace control parameters are not available for this substance.

PREDICTED NO EFFECT CONCENTRATIONS (PNEC): Workplace control parameters are not available for this substance.

Monitoring procedures: None specified.

8.2 Exposure controls

Appropriate engineering controls: Ensure good ventilation. Arrange for eye wash (recommended). Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment: Eye and hand protection, laboratory lab coat or overalls are recommended. Always check applicability with your supplier of protective equipment.

Respiratory protection: Not required.

Eye/face protection: Safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection: Handling with gloves is recommended. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Butyl rubber may be suitable. (Break-through times can vary depending on thickness, use and source. Change gloves regularly.)

Skin protection: Laboratory coat or overalls are recommended.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Off-white to light yellow, free-flowing granular solid/powder
b) Odour	No odour
c) Odour Threshold	Not applicable
d) pH	~5.2 (10% aq solution) *
e) Melting point/freezing point	No data available
f) Boiling point	No data available
g) Flash point	Not applicable
h) Evaporation Rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/Lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Specific gravity*	~1.3g/cm ³
n) Water solubility	Highly water soluble
o) Partition coefficient: n-octanol/water	No data available
p) Auto ignition temperature	No data available
q) Decomposition temperature	No data available
r) Bulk density*	~0.7g/cm ³

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s) Explosive properties

No ingredients have these properties

t) Oxidising properties

No ingredients have these properties

* Internal test protocol

9.2 Other safety information

None

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable product under recommended storage and handling conditions.

10.2 Chemical stability

Stable product under recommended storage and handling conditions

10.3 Possibility of hazardous reactions

None under normal processing

10.4 Conditions to avoid

Heat (avoid temperatures greater than 90° C/195° C), flames

10.5 Incompatible materials

Avoid strong oxidising agents.

10.6 Hazardous decomposition products

Hazardous decomposition products may be formed under fire conditions e.g. Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Some data available on substance – where not available, data is based on individual components shown below:

- | | |
|---------------------------------------|--|
| (a) acute toxicity | Not tested but based on available data, the classification criteria are not met. |
| (b) skin corrosion/irritation | Not classified as a skin irritant (OECD 439). |
| (c) serious eye damage/irritation | Not classified as an eye irritant (Chorioallantoic membrane assay). |
| (d) respiratory or skin sensitisation | Not classified as a skin sensitizer (HRIPT). Based on available data, the classification criteria for respiratory sensitisation are not met. |

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(e) germ cell mutagenicity	Non-mutagenic (OECD 471).
(f) carcinogenicity	Not tested but based on available data, the classification criteria are not met.
(g) reproductive toxicity	Not tested but based on available data, the classification criteria are not met.
(h) STOT-single exposure	Not tested but based on available data, the classification criteria are not met.
(i) STOT-repeated exposure	Not tested but based on available data, the classification criteria are not met.
(j) aspiration hazard	Not tested but based on available data, the classification criteria are not met.

Likely routes of exposure: Contact with skin and eyes or by inhalation of dust.

Potential health effects: To the best of our knowledge, none are known but the chemical, physical, and toxicological properties have not been thoroughly investigated.

Symptoms related to the physical, chemical and toxicological characteristics: To the best of our knowledge, none are known but the chemical, physical, and toxicological properties have not been thoroughly investigated.

Delayed and immediate effects as well as chronic effects from short and long-term exposure: To the best of our knowledge, none are known but the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information: None

SECTION 12 ECOLOGICAL INFORMATION

Some data available on the substance.

12.1 Toxicity

Not classified as hazardous to the environment (OCSP Guidelines 850.5400 -Algae and 850.1010-Daphnia).

12.2 Persistence and degradability

Passes OECD301A.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 PBT and vPvB assessment

No data available.

12.6 Other adverse effects

None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Treat as non-hazardous waste. Burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable product to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Avoid release to the environment.

Contaminated packaging

Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1. UN number None

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- 14.2. UN proper shipping name** None
- 14.3. Transport hazard class(es)** None
- 14.4. Packing group** None
- 14.5. Environmental hazards** None
- 14.6. Special precautions for user** None
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation for the substance or mixture

UK legislation:

Control of Substances Hazardous to Health Regulations 2002

Environmental Protection Act 1990

Hazardous Waste Regulations 2005

REACH Regulation (EC) No 1907/2006: complies – polymer exemption

All as amended from time to time.

In addition, components of Itaconix® VELASOFT™ comply with TSCA (USA) and are listed either on the DSL or NDSL (Canada).

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out on this substance.

SECTION 16. OTHER INFORMATION

Version number	EU 1.0
Date prepared	19 December 2019
Supersedes Version	N/A
Nature of revision	N/A

This SDS is a non-mandated SDS and is based on EU Regulation 1907/2006 as amended by Regulations 453/2010 and 2015/830

The above information is believed to be correct at the time of preparation but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

End of document.

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