

# VELAFRESH® ZP20

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

|                      |  |
|----------------------|--|
| Product name         | VELAFRESH® ZP20  |
| Product CAS number   | 1662663-05-9   |
| Other identification | Sodium Zinc Polyitaconate;<br>Poly(sodium, zinc itaconate), neutralized with KOH |

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

|                      |                                       |
|----------------------|---------------------------------------|
| Recommended use      | Odor absorbing agent in personal care |
| Uses advised against | See section 15                        |

### 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

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

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification CLP (Regulation (EC) No. 1272/2008)  
Not classified as hazardous

### 2.2 Label elements

|  |      |
|--|------|
| Labelling (REGULATION (EC) No 1272/2008) |      |
| Hazard pictograms                        | None |
| Signal word                              | None |
| Hazard statements                        | None |
| Precautionary statements                 | None |

### 2.3 Other hazards

The mixture contains <0.1% of unknown impurities

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

| Chemical name | CAS number | Classification | Concentration |
|---------------|------------|----------------|---------------|
|---------------|------------|----------------|---------------|

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|   |                                     |                              |        |
|---|-------------------------------------|------------------------------|--------|
| <b>Sodium Zinc Polyitaconate</b>        | <b>1662663-05-9</b>                 | None                         | ~26 %  |
| Water                                   | <b>7732-18-5</b>                    | None                         | ~73.7% |
| <b>Pentane diol and Phenyl propanol</b> | <b>5343-92-0</b><br><b>122-97-4</b> | None at these concentrations | ~ 0.3% |

**SECTION 4: First aid****4.1 Description of first aid measures**

|                         |   |
|-------------------------|---|
| If inhaled              | Move person to fresh air. If respiratory symptoms develop, call a physician.  |
| In case of skin contact | Flush skin with water.  |
| In case of eye contact  | Rinse immediately with plenty of water and seek medical advice.   |
| If ingested             | Do not induce vomiting, rinse mouth with water. If large quantities of this material are swallowed, call a physician. |

First aid responders shall wear standard personal protective equipment (safety glasses, medical examination gloves)

**4.2 Most important symptoms and effects, both acute and delayed**

|          |            |
|----------|------------|
| Symptoms | None known |
|----------|------------|

**4.3 Indication of any immediate medical attention and special treatment needed**

|           |                        |
|-----------|------------------------|
| Treatment | Treat symptomatically. |
|-----------|------------------------|

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
|------------------------------|--|

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting: decomposition products may be produced such as carbon oxides

**5.3 Advice for firefighters**

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions protective equipment and emergency procedures

Use personal protective equipment in accordance with good industrial practices (gloves, eye protection, labcoat/overalls, dust mask). Provide sufficient ventilation and control dust.

### 6.2 Environmental precautions

Do not let product enter drains. Should not be released into the environment.

### 6.3 Methods and materials for containment and cleaning up

Contain/absorb with non-combustible absorbent material (eg, sand, earth, vermiculite, chemical absorbent). Vacuum, or sweep up and shovel into suitable containers for 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. Minimize exposure to dust in accordance with good industrial practices. Wear appropriate PPE. Wash hands thoroughly after handling. Do not eat, drink nor smoke in work areas. Wash hands before breaks and at the end of workday.

### 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 below 45C. No special restrictions on storage with other products.

### 7.3 Specific end use(s)

Odor neutralization for use in detergent and cleaner formulations, and other industrial applications.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 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.

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**Personal protective equipment:** Eye and hand protection, laboratory lab coat or overalls are recommended.

**Respiratory protection:** In case of dust, wear dust mask (N95 or equivalent or better).

**Eye/face protection:** Safety glasses with side-shields conforming to NIOSH (US) or EN166 are recommended.

**Hand protection:** Handling with gloves is recommended. Nitrile gloves are suitable.

**Skin protection:** Laboratory coat or overalls are recommended.

**Environmental exposure control:** minimize release of material to drains, ground or surface water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |                        |
|---|------------------------|
| a) Physical state                               | Liquid                 |
| b) Color  | Yellow                 |
| c) Odor and odor threshold                      | No odor – no threshold |
| d) Melting point/freezing point                 | No data available      |
| e) Boiling point                                | >100C                  |
| f) Flammability (solid, gas)                    | No data available      |
| g) Upper/Lower flammability or explosive limits | No data available      |
| h) Flash point                                  | Not applicable         |
| h) Evaporation Rate                             | No data available      |
| i) Auto ignition temperature                    | No data available      |
| j) Decomposition temperature                    | No data available      |
| k) pH   | 7.2-8.6*               |
| l) Kinematic Viscosity                          | <100 cP                |
| m) Solubility                                   | Highly water soluble   |
| n) Partition coefficient: n-octanol/water       | No data available      |
| o) Vapor pressure                               | No data available      |
| p) Relative Density                             | 1.2*                   |
| q) Vapor density                                | No data available      |
| r) Particle characteristic                      | Not applicable         |
| * Internal test protocol                        |                        |

### 9.2 Other safety information

|                      |                                      |
|----------------------|--------------------------------------|
| Explosive properties | No ingredients have these properties |
| Oxidizing properties | No ingredients have these properties |

## SECTION 10: Stability and reactivity

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## 10.1 Reactivity

No data available.

## 10.2 Chemical stability

Stable product under recommended storage and handling conditions.

## 10.3 Possibility of hazardous reactions

None known under normal processing.

## 10.4 Conditions to avoid

Heat above 90°C, flames.

## 10.5 Incompatible materials

Avoid strong oxidizing agents.

## 10.6 Hazardous decomposition products

Hazardous decomposition products may be formed under fire conditions such as carbon oxides and zinc oxide.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Some data available on mixture. Where not tested, data derived from or based on individual components are shown below:

|                                       |  |
|---------------------------------------|--|
| (a) acute toxicity                    | No data available.   |
| (b) skin corrosion/irritation         | No skin irritation (OECD 439).   |
| (c) serious eye damage/irritation     | No eye irritation (OECD 492).  |
| (d) respiratory or skin sensitization | No skin sensitization (HRIPT). Not tested for respiratory sensitization. |
| (e) germ cell mutagenicity            | Non mutagenic (OECD 471).  |
| (f) carcinogenicity                   | No data available.   |
| (g) reproductive toxicity             | No data available.   |
| (h) STOT-single exposure              | No data available.   |
| (i) STOT-repeated exposure            | No data available.   |
| (j) aspiration hazard                 | No data available.   |

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

### 11.2 Information on other hazards

None known.

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## SECTION 12: Ecological information

### 12.1 Toxicity

OECD 201: Algae growth EC50 = 24.65 mg/l (72 hr)

OECD 202: Daphnia growth EC50 > 100 mg/l (48hr) NOEC (48hr) 100mg/l

OECD 249: Fish Cell EC50 = 443 mg/l (24hr)

### 12.2 Persistence and degradability

No data available.

### 12.3 Bio accumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

### 12.6 Endocrine disrupting properties

None known.

### 12.7 Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Product:** Treat as non-hazardous waste. Dispose to landfill. Avoid and minimize disposal to sewage. Dispose of in accordance with local regulations.

**Contaminated packaging:** Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: Transportation information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

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|   |                                   |
|---|-----------------------------------|
| <b>14.5 Environmental hazards</b>                                   | Not regulated as a dangerous good |
| <b>14.6 Special precautions for user</b>                            | Not regulated as a dangerous good |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable                    |

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation for the mixture****The components of this product are reported in the following inventories:**

|           |   |
|-----------|---|
| US-EPA    | All chemical substances in this product are listed on the TSCA Inventory.                             |
| EU-REACH  | Polymer exemption. All the raw materials above 2 wt.% are registered by Itaconix or by its suppliers. |
| Canada-HC | All chemical substances in this product are listed on the NDSL inventory.                             |

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has been carried out on this mixture by the US-EPA.

In the USA, this product is subject to a Significant New Use Rule [SNUR - TSCA section 5(a)] for use outside of an odor neutralizer.

**SECTION 16: Other information**

|                    |   |
|--------------------|---|
| Supersedes Version | EU 1.0.   |
| Nature of revision | Updated format. Updated commercial name. Version number aligned with HCS2012 version 2.3. |

This SDS is a non-mandated SDS and is based on EU Regulation 2020/878 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.