# Itaconix® ONZ™ 100

Revision number: HCS2012 2.3
Revision date: 23 August 2022

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

### Product identifier

| | |
|---|---|
| Product name | Itaconix® ONZ™ 100 |
| Product CAS number | 1662663-05-9 |
| Other identification | Sodium Zinc Polyitaconate;<br>Poly(sodium, zinc itaconate), neutralized with KOH |

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

| | |
|---|---|
| Recommended use | Odor absorbing agent in cleaner formulations |
| Uses advised against | See section 15 |

### 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 |

### Emergency Telephone Number

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

## SECTION 2: Hazards identification

### GHS Classification of the substance or mixture

Classification (29 CFR 1910.1200)
Not classified as hazardous

### GHS Label elements

Labelling (29 CFR 1910.1200)

| | |
|---|---|
| Hazard pictograms | None |
| Signal word | None |
| Hazard statements | None |
| Precautionary statements | None |

### Other hazards

The mixture contains <0.1% of unknown impurities

## SECTION 3: Composition/information on ingredients

### Mixtures

| Chemical name | CAS number | Classification | Concentration |
|---|---|---|---|
| **Sodium Zinc Polyitaconate** | **1662663-05-9** | None | ~26 % |
| Water | **7732-18-5** | None | ~73.7% |
| **Pentane diol and Phenyl propanol** | **5343-92-0 122-97-4** | None at these concentrations | ~ 0.3% |

## SECTION 4: First aid

### Description of first aid measures

If inhaled — If breathed in, 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.

First aid responders shall wear standard personal protective equipment

### Most important symptoms and effects, both acute and delayed

Symptoms — None known

### Indication of any immediate medical attention and special treatment needed

Treatment — Treat symptomatically.

## SECTION 5: Firefighting measures

### 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.

### Special hazards arising from the substance or mixture

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

### Advice for firefighters

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

**Environmental precautions**

Prevent product from entering drains. Should not be released into the environment.

**Methods and materials for containment and cleaning up**

Contain/absorb with non-combustible absorbent material (e.g., sand, earth, vermiculite, chemical absorbent). Vacuum, or sweep up and shovel into suitable containers for disposal.

## SECTION 7: Handling and storage

**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.

**Conditions for safe storage**

Keep container tightly closed. 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.

## SECTION 8: Exposure controls/personal protection

**Control parameters**

Contains no substances with occupational exposure limit values (No OSHA PEL and no ACGHIH TLV).

**Exposure controls**

**Appropriate engineering controls:** Ensure good ventilation. Arrange for eye wash (recommended). Handle in accordance with good industrial hygiene and safety practice.

**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**: Avoid release of material to drains, ground or surface water.

## SECTION 9: Physical and chemical properties

**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

**Other safety information**

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

## SECTION 10: Stability and reactivity

**Reactivity**

No data available.

**Chemical stability**

Stable product under recommended storage and handling conditions.

**Possibility of hazardous reactions**

None known under normal processing.

**Conditions to avoid**

Heat above 90°C.

**Incompatible materials**

Avoid strong oxidizing agents.

**Hazardous decomposition products**

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

## SECTION 11: Toxicological information

**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 spray.

**Information on other hazards**

None

## SECTION 12: Ecological information

**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)

**Persistence and degradability**
No data available.

**Bio accumulative potential**
No data available.

**Mobility in soil**
No data available.

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

**Endocrine disrupting properties**
None known.

**Other adverse effects**
None known.

## SECTION 13: Disposal considerations

**Waste treatment methods**
**Product:** Treat as non-hazardous waste. Dispose to landfill. Avoid disposal to sewage. Dispose of in accordance with local, state and federal 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

| | |
|---|---|
| **UN number** | Not regulated as a dangerous good |
| **UN proper shipping name** | Not regulated as a dangerous good |
| **Transport hazard class(es)** | Not regulated as a dangerous good |
| **Packing group** | Not regulated as a dangerous good |
| **Environmental hazards** | Not regulated as a dangerous good |
| **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)** | Not applicable |
| **Special precautions for user** | Not regulated as a dangerous good |

## SECTION 15: Regulatory information

**Safety, health and environmental regulations/legislation for the mixture**

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

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

**Chemical Safety Assessment**

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

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

**California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

## SECTION 16: Other information

| | |
|---|---|
| Revision number | HCS2012 2.3 |
| Revision date | 23 August 2022 |
| Supersedes Version | HCS2012 2.2 |
| Nature of revision | Added water content. |

This SDS is based on HCS 2012 GHS 29 CFR 1910.1200

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.