

Safety Data Sheet

Revision Date: 29-October-2019

24 Hour Emergency #: 1-800-255-3924

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

PRODUCT NAME: Hanks' Balanced Salt Solution without Sodium Bicarbonate (10X) (HBSS 10X)
CATALOG NUMBER: 119-065-101
CHEMICAL NAME: Aqueous solution of Calcium chloride, Potassium chloride, Potassium phosphate monobasic, Magnesium sulfate, Sodium chloride, Sodium phosphate dibasic, D-Glucose and Phenol red.

Company/Undertaking Identification

Quality Biological Inc.
7581 Lindbergh Drive
Gaithersburg, MD 20879
301-840-9331

2. HAZARDS IDENTIFICATION

GHS – Classification

Signal Word

not hazardous

Health Hazard

not hazardous

Physical Hazards

not hazardous

Principle Routes of Exposure/ Potential Health effects

| | |
|-------------------|--|
| Eyes | May cause eye irritation with susceptible persons. |
| Skin | May cause skin irritation in susceptible persons. |
| Inhalation | May be harmful by inhalation. |
| Ingestion | May be harmful if swallowed. |

Specific effects

| | |
|------------------------------|------|
| Carcinogenic effects | none |
| Mutagenic effects | none |
| Reproductive toxicity | none |
| Sensitization | none |



Target Organ Effects

No known effects under normal use conditions.

HMIS

| | |
|--------------|---|
| Health | 1 |
| Flammability | 1 |
| Reactivity | 1 |

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. FIRST AID MEASURES

Skin contact

Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.

Eye contact

Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.

Ingestion

Never give anything by mouth to an unconscious person

Inhalation

If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

General: Wear Self-Contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.

Extinguishing Media: Water Spray, Carbon Dioxide, dry chemical powder or appropriate foam.

6. ACCIDENTAL RELEASE MEASURES

Use Personal Protective Equipment: Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Spills and Leaks: Absorb spill with inert material (e.g. Vermiculite, sand, earth) then place in a suitable container. Clean up spills immediately, observing precautions in the Sections 6 and 8. Provide ventilation.

7. HANDLING AND STORAGE

Handling

Always wear recommended Personal Protective Equipment. No special handling advice required

Storage

Store in a tightly closed container at room temperature.



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

We are not aware of any national exposure limit.

Engineering measures Ensure adequate ventilation, especially in confined areas

Personal protective equipment

| | |
|--|---|
| Respiratory protection | In case of insufficient ventilation wear suitable respiratory equipment |
| Hand protection | Protective gloves |
| Eye protection | Safety glasses with side-shields |
| Skin and body protection | Lightweight protective clothing. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice |
| Environmental exposure Controls | Prevent product from entering drains. |

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

| | |
|-------------------|---------------------------|
| Form | Liquid |
| pH: | 6.0 ± 0.5 |
| Appearance | Clear, red-orange colored |
| Odor | Odorless |

Important Health Safety and Environmental Information

| | | |
|---------------------------------|--------------------------|----------------------|
| Boiling point/range | °C No data available | °F No data available |
| Melting point/range | °C No data available | °F No data available |
| Flash point | °C No data available | °F No data available |
| Autoignition temperature | °C No data available | °F No data available |
| Oxidizing properties | No information available | |
| Water solubility | soluble | |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | Stable under normal conditions. |
| Materials to avoid | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products | None under normal use |
| Polymerization | Hazardous polymerization does not occur. |

11. TOXICOLOGICAL INFORMATION



Acute toxicity

not hazardous

Principle Routes of Exposure/ Potential Health effects

| | |
|-------------------|--|
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Specific effects

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|------------------------------|------|
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| Mutagenic effects | none |
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| Sensitization | none |

Target Organ Effects

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12. ECOLOGICAL INFORMATION

| | |
|----------------------------|---------------------------|
| Ecotoxicity effects | No information available. |
| Mobility | No information available. |
| Biodegradation | Inherently biodegradable |
| Bioaccumulation | Does not bioaccumulate. |

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

IATA

| | |
|-----------------------------|---|
| Proper shipping name | Not classified as dangerous in the meaning of transport regulations |
| Hazard Class | none |
| Subsidiary Class | none |
| Packing group | none |
| UN-No | none |

15. REGULATORY INFORMATION

International Inventories

U.S. Federal Regulations

**SARA 313**

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations**California Proposition 65**

This product does not contain chemicals listed under Proposition 65

WHMIS hazard class:

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. OTHER INFORMATION

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, IT MAY NOT BE ALL INCLUSIVE. THIS INFORMATION SHOULD BE USED ONLY AS A GUIDE. QUALITY BIOLOGICAL, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OR CONTACT WITH THE ABOVE PRODUCT.

End of Safety Data Sheet