

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

1.1. Product identifier

Product name Breezy BioPure RTU
Generic name Hydrogen Peroxide

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

Recommended Use Commercial, Industrial, or Laboratory Use
Restrictions on Use For professional use only

1.3. Details of the supplier of the safety data sheet

Build With Robots Inc.
429 Commercial Street NE
Albuquerque, NM 87102

1-833-273-3568 - main

1.4. Emergency telephone number

Emergency number 1-833-273-3911 (24 Hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Eye Damage/Irritation, Category 2

2.2. Label elements

Labelling

Hazard pictograms



Signal word

Warning[§]

Hazard statements

Causes serious eye irritation

Precautionary statements

Wash and hands thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

If on skin: Wash with plenty of water

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Specific treatment (see...on this label)

If skin irritation occurs: Get medical attention

If eye irritation persists: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

2.3. Other hazards

Other hazards which do not result in classification

None known

2.4. Unknown acute toxicity

Not applicable

[§] The signal word, warning, is required under OSHA Hazards Communication Standard, 29 CFR 1910.1200, and is not meant to represent EPA pesticide labelling under FIFRA.

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Ingredient	CAS No.	EC Number	Weight Percent
Hydrogen peroxide	7722-84-1	231-765-0	7.0
Water	7732-18-5	231-791-2	93.0

The specific chemical/component identities and/or the exact component percentages of this material may be withheld as trade secrets.

This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1).

Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/ inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation

Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact

Rinse skin with plenty of water for 15-20 minutes. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact

Rinse cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing opening eyelids. Get medical advice/attention.

First-aid measures after ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician

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

Causes serious skin and eye irritation. Symptoms include irritation, redness and dryness of skin and stinging, watering, redness, and swelling of eyes. Ingestion may cause gastrointestinal disturbances.

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

Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call 1-800-222-1222 for emergency medical treatment information. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials. Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media

None known

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protective equipment for firefighters

Do not enter fire area without proper protective equipment, including respiratory protection.

Other information

Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Stop leak if safe to do so. Special danger of slipping by leaking/spilling product. Avoid contact with eyes and skin. Avoid berating vapors, spray and mist. Evacuate unnecessary personnel. Equip cleanup crew with proper protection.

The low volatility of this product does not require ventilation. However depending on the condition, adequate ventilation might be required.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect all waste in suitable and labelled containers and dispose according to local legislation. Store away from other materials. Ensure all national/local regulations are observed. Dilute with large volumes of water.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Read label before use. Obtain special instructions before use. Ensure good ventilation of the workstation. Avoid contact with skin and eyes. Avoid berating vapors, spray and mist. Wear personal protective equipment.

Hygiene measures

Do not eat, drink or smoke when using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Keep out of reach of children. Keep only in the original container in a cool well-ventilated place. Keep container closed when not in use. Keep away from incompatible materials. Keep away from sources of heat.

Incompatible materials

Zinc, Iron, Copper, Nickel, Brass, Iron and iron salts.

Maximum storage period

3 years if stored indoors with no direct sunlight or wide temperature swings, the storage period may be extended to 5 years

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Hydrogen peroxide	7722-84-1	1	1.4			OSHA PEL Z-1
Hydrogen peroxide, as H ₂ O ₂	7722-84-1	1	1.4			OSHA PEL
Hydrogen peroxide	7722-84-1	1				NIOSH REL Z-1
Hydrogen peroxide	7722-84-1	1	1.4			ACGIH TLV

Remark	Notes
OSHA PEL Z-1	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table
OSHA PEL	Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs).
NIOSH REL Z-1	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®) 2018

8.2. Exposure controls

Appropriate engineering controls

Ensure good ventilation of the workstation. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment

Handle in accordance with good industrial hygiene and safety practices. Avoid all unnecessary exposure. For certain operations, additional Personal Protection Equipment (PPE) may be required.

Protective goggles. Gloves.



Hand protection

Handle with gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

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Eye protection	Wear goggles if splashing or spraying is anticipated. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.
Skin and body protection	In case of repeated or prolonged exposure : Personal protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling.
Respiratory protection	In case of insufficient ventilation, or when using ULV Sprayer (fogger) wear suitable NIOSH certified respiratory equipment.
Other information	Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	Clear
Odor	Slight sweet odor
Odor threshold	No data available
pH	4.5 – 6.5
Relative evaporation rate (butyl acetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	ca 214 °F (101 °C)
Flash point	None (Non-combustible)
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapor pressure	No data available
Relative vapor density at 20 °C	No data available
Relative density	1.05 (water = 1) at 20 °C
Solubility	Soluble in water
Viscosity, kinematic	No data available
Viscosity	Not applicable (water-like)
Explosive properties	None
Oxidizing properties	None
Explosive limits	Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage condition

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. High temperatures. Freezing

10.5. Incompatible materials

Zinc, Iron, Copper, Nickel, Brass, and Iron salts.

10.6. Hazardous decomposition products

None known.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with applicable local, national and international regulations.

Chemical wastes are acutely hazardous. Triple rinse or pressure rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two or more times.

Waste disposal recommendations- Containers

Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse (or equivalent) promptly after emptying. Wrap container and put in trash.

SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

Additional information

Other information

No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

EPA- FIFRA Accepted Label

KEEP OUT OF REACH OF CHILDREN

DANGER

Corrosive. Causes irreversible eye damage.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - NOTE: This product has NOT evaluated against the latest requirements of the California Proposition 65 to meet the safe harbor warning requirements introduced by The office of Environmental Health Hazards Assessment (OEHHA), during its OSHA hazards classification evaluation.

Minnesota Right To Know Components

Hydrogen peroxide

New Jersey Right To Know Components

Hydrogen peroxide

Pennsylvania Right To Know Components

Hydrogen peroxide

Rhode Island Right To Know Components

Hydrogen peroxide

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SECTION 16: Other information

Indication of changes

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5-Firefighting measures
6-Accidental release measures
7-Handling and storage
8-Exposure controls/personal protection
9-Physical and chemical properties
11-Toxicological information
12-Ecological information
15-Regulatory information

Revision date

06/21/2023

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product