



Issue date 08/15/2023

Reviewed on 08/15/2023

1. Identification

Product Identifier

Trade Name: Renovar™

Product Number: 60504, 60491, 60507, 60690, 60691, 60799, 60798, 60781

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

For Professional Use Only In The Management Via Cleansing, Irrigating, Moistening And Debridement Of Wounds

Product Description: Skin and Wound Cleanser and Irrigation Solution

Details of the Supplier of the Safety Data Sheet:

HR® Pharmaceuticals, Inc.
2600 Eastern Blvd, Suite 201
York, PA 17402
Phone: (717)-252-1110
Fax: (717) 685-2590
www.hrpharma.com.

Emergency telephone number:

USA, Canada, Puerto Rico, and U.S. Virgin Islands: 1-800-255- 3924

All other countries: +1-813-248-0585

2. Hazard(s) Identification

Classification of the substance or mixture: Not Classified

Label elements: This product does not contain hazardous materials as defined by the OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Classification System: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA Rating (scale 0-4): Health: 0; Flammability: 0; Reactivity: 0; Special Hazard: None

HMIS Rating (scale 0-4): Health: 0; Flammability: 0; Reactivity: 0; Personal Protection Index: A

Other Hazards: As defined under SARA 311 and 312, this product contains no known hazardous materials.

3. Composition/Information on Ingredients

Substances:

Not Applicable

Mixture:

Name	Percentage	CAS #
Water	Trade Secret	7732-18-5
Sodium Chloride (NaCl)	Trade Secret	7647-14-5
Sodium Hypochlorite (NaOCl)	Trade Secret	7681-52-9
Hypochlorous Acid (HOCl)	0.025%	7790-92-3

Other Information:

No additional information available

4. First-Aid Measures

Description of first aid measures:

General information: No special measures required.

After inhalation: Not anticipated under recommended use. If breathing is difficult, move to fresh air and seek medical attention if symptoms continue or worsen.

After skin contact: Not anticipated under normal use at room temperature. If irritation occurs, wash skin immediately with plenty of soap and water. Seek medical attention if irritation worsens or persists.

After eye contact: Not known to cause eye irritation. Immediately flush your eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

After ingestion: Not known to be harmful if ingested. Drink plenty of water and seek medical attention if gastric distress develops.

Most important symptoms and effects, both acute and delayed: No additional information available.

Indication of any immediate medical attention and special treatment needed: No additional information available.



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5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: Material will not burn.

Unsuitable extinguishing media: None

Special hazards arising from the substance or mixture:

Fire hazard: Not flammable

Explosion hazard: Product is not explosive.

Flammable Properties:

COC Flash Point: None

TCC Flash Point: None

Auto-Ignition Temperature: None

Flammable Limits In Air:

LEL: None

UEL: None

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:

For non-emergency personnel: No special precautions required.

For emergency responders: No special precautions required.

Environmental precautions: Presents no hazard to the environment.

Methods and material for containment and cleaning up:

For containment: No special precautions required.

Methods for cleaning up: No special precautions required.

Reference to other sections:

Safe Handling: See Section 7

Exposure/Personal Protection: See Section 8

Disposal Information: See Section 13

7. Handling and Storage

Handling:

Precautions for safe handling: No special handling precautions required. No pallet stacking.

Conditions for safe storage, including any incompatibilities:

Storage Conditions:

Store with cap closed tightly after each use, in its original container.

Keep away from direct sunlight and heat sources.

Do not freeze. Do not stack pallets.

Storage Conditions: Store at temperatures between 59 - 77°F (15 - 25°C)

Specific end use(s): Cleansing, Irrigating, Moistening, Debridement

8. Exposure Controls/Personal Protection

Control parameters: No additional information available

Exposure Limits: No Limits Specified

Personal Protection: No protection required. If the solution splashes on clothing, may cause fading.

Hand protection: No protection required during normal use.

Eye protection: No protection required during normal use.

Skin and body protection: None required under normal product handling conditions.

Respiratory protection: None required under normal product handling conditions.

9. Physical and Chemical Properties

Physical state	Liquid
Color	Clear and colorless
Odor	Slight chlorine odor
Odor threshold	No data available
pH	6.2 – 7.8
Relative evaporation rate (butyl acetate=1)	No data available
Melting point	No data available
Freezing point	32 °F (0 °C)
Boiling point	212 °F (100 °C)
Flash point	No data available
Self-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapor pressure	No data available
Relative vapor density at 20 °C	No data available
Specific gravity	1.0 (Water = 1)
Solubility	Water: Soluble
Viscosity	No data available

Other Information: No additional information available

Information on basic physical and chemical properties

10. Stability and Reactivity

Reactivity: No further relevant information available.

Chemical stability: Stable at normal handling and storage conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Safe under normal handling and storage conditions.

Incompatible materials: Do not mix with products containing ammonia.

Hazardous decomposition products: Decomposition will not occur under normal conditions of use.

11. Toxicological Information

Information on toxicological effects:

Acute Toxicity (ocular): Not classified

Acute Toxicity (dermal): Not classified

Acute Toxicity (oral): Not classified

Acute Toxicity (inhalation): Not classified

Dermal Sensitization: Not classified (pH: 6.2 – 7.8)

12. Ecological Information

Toxicity:

Ecology - General: Not classified

Persistence and degradability: Not classified

Mobility in soil: No additional information available

Other adverse effects: No additional information available



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14. Transport Information

In accordance with DOT: Not regulated for transport

In accordance with IMDG: Not regulated for transport

In accordance with IATA: Not regulated for transport

15. Regulatory Information

US Federal Regulations:

Water (7732-18-5)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Hypochlorous Acid (7790-92-3)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Sodium Hypochlorite (7681-52-9)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Sodium Chloride (7647-14-5)	Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations: None of the products or their chemical components appear on any US state lists.

16. Other Information

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.