

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 10/22/2020

Reviewed on 10/22/2020

1 Identification

- **Product Identifier**
- **Trade Name:** EcoVue® Ultrasound Gel / EcoVue® HV Ultrasound Gel
- **Product Number:** 280; 281; 282; 283; 284; 285; 286 / 380; 381; 383; 386
- **Relevant identified uses of the substance or mixture and uses advised against:**
For Professional Use Only
- **Product Description:** Ultrasound Gel
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
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:**
The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
- **Additional information:** Contains Benzyl Alcohol, may cause an allergic skin reaction.
- **Label elements:**
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material
- **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.
0 % of the mixture consists of component(s) of unknown toxicity.
- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

- **Chemical characterization: Substance**
- **Description:** Mixture of substances listed below with non-hazardous additions.

(Contd. on page 2)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 10/22/2020

Reviewed on 10/22/2020

Trade Name: EcoVue® Ultrasound Gel / EcoVue® HV Ultrasound Gel

· Dangerous Components:		
CAS: 504-63-2 RTECS: TY 2010000	propane-1,3-diol Flam. Liq. 4, H227	2-12%
CAS: 100-51-6 RTECS: DN 3150000	Benzyl alcohol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317	<1.0%

· Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures**· Description of first aid measures**

· General information: No special measures required.

· After inhalation: Not a normal route of entry.

· After skin contact: If skin irritation occurs, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water.

If eye irritation occurs, consult a doctor.

· After swallowing: If swallowed and symptoms occur, consult a doctor.

· Information for doctor

· Most important symptoms and effects, both acute and delayed: No further relevant information available.

· Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures**· Extinguishing media**

· Suitable extinguishing agents: Use fire fighting measures that suit the environment.

· For safety reasons unsuitable extinguishing agents: No further relevant information.

· Special hazards arising from the substance or mixture: No further relevant information available.

· Advice for firefighters**· Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures: Product is slippery when spilled.

· Environmental precautions: No special measures required.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

· Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

· PAC-1:		
504-63-2	propane-1,3-diol	7.8 mg/m ³
100-51-6	Benzyl alcohol	30 ppm
1310-73-2	Sodium Hydroxide	0.5 mg/m ³

(Contd. on page 3)



Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 10/22/2020

Reviewed on 10/22/2020

Trade Name: EcoVue® Ultrasound Gel / EcoVue® HV Ultrasound Gel

6381-92-6	EDTA, Disodium, Dihydrate	30 mg/m ³
· PAC-2:		
504-63-2	propane-1,3-diol	86 mg/m ³
100-51-6	Benzyl alcohol	52 ppm
1310-73-2	Sodium Hydroxide	5 mg/m ³
6381-92-6	EDTA, Disodium, Dihydrate	330 mg/m ³
· PAC-3:		
504-63-2	propane-1,3-diol	520 mg/m ³
100-51-6	Benzyl alcohol	740 ppm
1310-73-2	Sodium Hydroxide	50 mg/m ³
6381-92-6	EDTA, Disodium, Dihydrate	2,000 mg/m ³

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Not required.

9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Gel
 - **Color:** Clear
- **Odor:** Unfragranced
- **Odor threshold:** Not determined.

(Contd. on page 4)



Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 10/22/2020

Reviewed on 10/22/2020

Trade Name: EcoVue® Ultrasound Gel / EcoVue® HV Ultrasound Gel

- **pH-value @ 20 °C (68 °F):** 5.5-7.8
- **Change in condition**
 - **Melting point/Melting range:** Not determined.
 - **Boiling point/Boiling range:** Not determined.
- **Flash point:** None
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** Not applicable
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - **Lower:** Not determined.
 - **Upper:** Not determined.
- **Vapor pressure:** Not determined.
- **Density @ 20 °C (68 °F):** 0.99-1.02 g/cm³ (8.2616-8.5119 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
 - **Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - **Dynamic:** Not determined.
 - **Kinematic:** Not determined.
- **Solvent content:**
 - **Organic solvents:** 10.5 %
 - **Water:** 88.4 %
 - **VOC content:** 10.50 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

(Contd. on page 5)



Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 10/22/2020

Reviewed on 10/22/2020

Trade Name: EcoVue® Ultrasound Gel / EcoVue® HV Ultrasound Gel

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

504-63-2 propane-1,3-diol

Oral LD50 4,773 mg/kg (Mouse)

- **Primary irritant effect:**

- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories:**

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

12 Ecological Information

- **Toxicity:**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

(Contd. on page 6)



Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 10/22/2020

Reviewed on 10/22/2020

Trade Name: EcoVue® Ultrasound Gel / EcoVue® HV Ultrasound Gel

14 Transport Information

- **UN-Number:**
 - DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material
- **UN proper shipping name:**
 - DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material
- **Transport hazard class(es):**
 - DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material
- **Class:** Non-Regulated Material
- **Packing group:** Non-Regulated Material
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

· Section 355 (extremely hazardous substances):		
None of the ingredients are listed.		
· Section 313 (Specific toxic chemical listings):		
None of the ingredients are listed.		
· TSCA (Toxic Substances Control Act):		
7732-18-5	Water, distilled water, deionized water	ACTIVE
504-63-2	propane-1,3-diol	ACTIVE
100-51-6	Benzyl alcohol	ACTIVE
1310-73-2	Sodium Hydroxide	ACTIVE
61788-85-0	Castor oil, hydrogenated, ethoxylated	ACTIVE
· Hazardous Air Pollutants		
None of the ingredients are listed.		
· California Proposition 65:		
· Chemicals known to cause cancer:		
None of the ingredients are listed.		
· Chemicals known to cause reproductive toxicity for females:		
None of the ingredients are listed.		
· Chemicals known to cause reproductive toxicity for males:		
None of the ingredients are listed.		
· Chemicals known to cause developmental toxicity:		
None of the ingredients are listed.		
· New Jersey Right-to-Know List:		
1310-73-2	Sodium Hydroxide	
· New Jersey Special Hazardous Substance List:		
1310-73-2	Sodium Hydroxide	CO, R1

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 10/22/2020

Reviewed on 10/22/2020

Trade Name: EcoVue® Ultrasound Gel / EcoVue® HV Ultrasound Gel

· Pennsylvania Right-to-Know List:		
100-51-6	Benzyl alcohol	
1310-73-2	Sodium Hydroxide	
· Pennsylvania Special Hazardous Substance List:		
1310-73-2	Sodium Hydroxide	E

· Carcinogenic categories:

· EPA (Environmental Protection Agency):
None of the ingredients are listed.

· TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

· GHS label elements Non-Regulated Material**· Hazard pictograms:** Non-Regulated Material**· Signal word:** Non-Regulated Material**· Hazard statements:** Non-Regulated Material**· National regulations:**

None of the ingredients are listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· Date of last revision/ revision number: 10/22/2020 / 10**· Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 4: Acute toxicity – Category 4

Skin Sens. 1: Skin sensitisation – Category 1

· * Data compared to the previous version altered.SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106