

Safety Data Sheet (SDS)

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

Issue date 04/12/2024

Reviewed on 04/12/2024

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 HealthCare
2600 Eastern Blvd.
Suite 201
York, PA 17402
Phone: 877-302-1110
Fax: 717-685-2590
www.hrhealthcare.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:**



Sensitization - Skin 1 H317 May cause an allergic skin reaction.

- **Additional information:** Contains Benzyl Alcohol, may cause an allergic skin reaction.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Warning
- **Hazard-determining components of labeling:**
Benzyl alcohol
- **Hazard statements:**
H317 May cause an allergic skin reaction.
- **Precautionary statements:**
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves.
P302+P352 If on skin: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.

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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.

Dangerous Components:

CAS: 504-63-2 RTECS: TY 2010000	propane-1,3-diol Flammable Liquids 4, H227	2-12%
CAS: 100-51-6 RTECS: DN 3150000	Benzyl alcohol ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332; Sensitization - Skin 1, H317	≤1%

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:** If symptoms persist, call a physician.
- **After inhalation:**
Consult a doctor if symptoms are present.
Not a normal route of entry.
- **After skin contact:**
If skin irritation occurs, consult a doctor.
Wash with soap and water.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
If eye irritation occurs, consult a doctor.
- **After swallowing:**
Never give anything by mouth to an unconscious person.
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.

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- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. 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:** Dilute with plenty of water.
- **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.

· **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
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:**
Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.

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- **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 following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituents have no known exposure limits.

100-51-6 Benzyl alcohol
WEEL Long-term value: 10 ppm

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**
The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.
- **Eye protection:** Not required.
- **Limitation and supervision of exposure into the environment:** None

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.
- **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.

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- **Flash point:** None
- **Flammability (solid, gaseous):** Not applicable.
- **Auto igniting:** Not applicable
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** 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):** $\geq 0.99 - \leq 1.02 \text{ g/cm}^3$ ($\geq 8.2616 - \leq 8.5119 \text{ lbs/gal}$)
- **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 %
 - Solids content:** 0.5 %
- **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.

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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)
100-51-6 Benzyl alcohol	
Oral	LD50 1,230 mg/kg (Rat)
Dermal	LD50 2,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **On the skin:** May cause an allergic skin reaction.
- **On the eye:** No irritating effect.
- **Additional toxicological information:**

- **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:**
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.

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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:**
- 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:**
 No further relevant information available.
- **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

· 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	

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· New Jersey Special Hazardous Substance List:		
1310-73-2	Sodium Hydroxide	CO, R1
· 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**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



· **Signal word:** Warning

· **Hazard-determining components of labeling:**

Benzyl alcohol

· **Hazard statements:**

H317 May cause an allergic skin reaction.

· **Precautionary statements:**

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves.
- P302+P352 If on skin: Wash with plenty of water.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P363 Wash contaminated clothing before reuse.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

· **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.

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Trade Name: EcoVue® Ultrasound Gel / EcoVue HV Ultrasound Gel**· Contact:****· 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
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
Flammable Liquids 4: Flammable liquids – Category 4
Acute Toxicity - Oral 4: Acute toxicity – Category 4
Sensitization - Skin 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