



# SAFETY DATA SHEET

Issue Date: October 25, 2017

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Version: 5

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### 1.1. Product identifier

Product name: GlanHealth Laundry Shield  
Product number: DHP0031 – DHP0034

UN/ID No: NA  
Product Code: DHP0031 – DHP0034

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

Recommended Use: Deep-cleaning deodorizer concentrate for fabric.

### 1.3. Details of the supplier of the safety data sheet Supplier Address:

DALRADA HEALTH PRODUCTS CORP.  
615 Elca Lane, Suite D-1  
Brownsville, TX 78526

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Not Hazardous.

### 2.2. Label elements

KEEP OUT OF REACH OF CHILDREN.

Avoid contact with eyes. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

### Signal Word:

Hazard Statements: None.

Precautionary Statements/Response: None.

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures	CAS #	Percentage
1-Octadecanamimium N,N dimethyl 3- trimethoxysilyl propyl chloride	27668-52-6	5.0% to 6.0%
Isopropanol	67-63-0	0.8% to 0.8%
Methyl-1-tallow amidoethyl-2-tallowimidazolium Me Sulfates	8122-86-1	70.0% to 85.0%
Isodecyl alcohol propoxylated, ethoxylated	6843-30-5	>6.0%
Quaternary ammonium compounds, benzyl-C12- 16-alkyldimethyl, chlorides	68424-85-1	1.0% to 2.0%
Quaternary ammonium compounds, di-C8-10- alkyldimethyl, chlorides	68424-95-3	1.0% to 2.0%

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures:

**Ingestion:** Call a poison control center or doctor immediately for treatment advice.

**Skin contact:** None.

**Eye contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses (if present) after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

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

**Inhalation:** None.

**Ingestion:** None.

**Skin contact:** None.

**Eye contact:** None.

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

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media:

**Extinguishing media:** Extinguish with foam, carbon dioxide, dry powder or water fog.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards:** None.

### 5.3. Advice for firefighters:

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: HANDLING AND STORAGE

### 6.1. Personal precautions, protective equipment and emergency procedures:

Follow precautions for safe handling described in this safety data sheet.

### 6.2. Environmental precautions:

None

### 6.3. Methods and material for containment and cleaning up:

Absorb with inert, damp, non-combustible material, then flush area with water.

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### 6.4. Reference to other sections:

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, Keep from Freezing above 0C /32F.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a well-ventilated place. Keep from freezing and direct sunlight.

**Storage Class:** Miscellaneous hazardous material storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters Ingredient Comments

No exposure limits noted for ingredient(s)

### 8.2. Exposure controls

#### Protective equipment

**Engineering measures:** Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

**Respiratory equipment:** None.

**Hand protection:** None.

**Eye protection:** None.

**Other Protection:** Wear appropriate long sleeve clothing. Hygiene measures:

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Opaque Liquid
<b>Odor</b>	Citrus
<b>Odor Threshold</b>	Not determined
<b>pH</b>	4.0-6.0
<b>Melting point/freezing point</b>	0°C/0°C
<b>Boiling point/boiling range</b>	Not determined
<b>Flash point</b>	Not determined
<b>Evaporation rate</b>	N/A
<b>Flammability (solid, gas)</b>	N/A
<b>Flammability limits in air</b>	N/A
<b>Upper flammability limits</b>	N/A
<b>Lower flammability limits</b>	N/A
<b>Vapor pressure</b>	23 mm Hg
<b>Vapor density</b>	23gm/m <sup>3</sup>
<b>Specific Gravity</b>	1.00-1.20
<b>Water solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	Not determined
<b>Partition coefficient</b>	Not determined
<b>Autoignition temperature</b>	Not flammable
<b>Decomposition temperature</b>	Not determined

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Not available.

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid freezing since water based. (will thaw)

### 10.5. Incompatible materials

Not available.

### 10.6. Hazardous decomposition product

None.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

**Acute Oral LD50:**

To be determined

**Acute Dermal LD50:**

To be determined

**Skin contact:**

To be determined.

**Acute Eye Irritation:**

To be determined.

**Acute Inhalation Toxicity:**

To be determined.

**Skin Sensitization contact:**

To be determined.

**Germ Cell Mutagenicity:**

Data is not available at this time.

**Carcinogenicity:**

Data is not available at this time. Not expected to be carcinogenic.

**Reproductive Toxicity:**

Data is not available at this time. Not expected to have reproductive toxicity.

**STOT-single exposure:**

Unclassified

**STOT-repeated exposure:**

Unclassified

**Aspiration Hazard:**

Data is not available at this time.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity**

The product contains beneficial bacteria and substances which are found in soils and on plant roots  
The product is safe at 100,000 ppm

## 12.1. Toxicity

### Acute Toxicity Daphnia magna OECD 202

#### Immobility:

Data is not available at this time.

### Acute Toxicity Danio Rerio OECD 203:

Data is not available at this time.

### Fresh water Algae Growth Desmodesmus subspicatus at 72 hours OECD 201:

Data is not available at this time.

## 12.2. Persistence and degradability

#### Degradability:

Data is not available at this time.

## 12.3. Bioaccumulative potential

#### Bioaccumulative potential:

Data is not available at this time.

## 12.4. Mobility in soil

Mobility: Data is not available at this time.

## 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

## 12.6. Other adverse effects

Not applicable.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Factory Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Do not puncture or incinerate even when empty.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority require.

## SECTION 14: TRANSPORTATION INFORMATION

DOT	
Proper shipping name	Non hazardous
UN /ID No	
Hazard Class	
Packing Group	N/A
Special Provisions	N/A

TDG	
UN /ID No	
Proper shipping name	
Hazard Class	
Packing Group	N/A
Special Provisions	N/A

IMDG	
UN/ID No	
Proper shipping name	
Hazard Class	
Subsidiary hazard class	N/A
Packing Group	N/A

IATA	
UN/ID No	
Proper shipping name	
Hazard Class	
Subsidiary hazard class	N/A
Packing Group	N/A
ERG Code	N/A

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or Mixture

#### International Inventories

<b>TSCA</b>	Listed
<b>DSL</b>	Listed
<b>NDSL</b>	Not Listed
<b>EINECS</b>	Listed
<b>ELINCS</b>	Not Listed
<b>ENCS</b>	
<b>IECSC</b>	
<b>KECL</b>	
<b>PICCS</b>	
<b>AICS</b>	

#### LEGEND:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

## US Federal Regulations SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 37.

## SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

## CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Not Listed			

## US State Regulations

### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Not Listed	Not Listed	Not Listed	Not Listed

## U.S. EPA Label Information

## SECTION 16: OTHER INFORMATION

GHS Codes

Hazard Statements In Full

USA National Fire Prevention and OSHA

NFPA	Health hazards	Flammability	Instability	Special Hazards
	1	0	0	
NMIS	Health hazards	Flammability	Physical hazards	Personal protection
	1	0	0	

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**Revision Note:** Recommended Use

### **Disclaimer**

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**End of Safety Data Sheet**