



SAFETY DATA SHEET
HeliBond Liquid Component

1. IDENTIFICATION

Product Name HeliBond Liquid Component
Identified uses Liquid
Supplier Helifix, a division of HALFEN USA
8521 FM 1976, P. O. Box 547
Converse, TX 78109
Phone Number: 888-277-1695
e-mail: sales@helifix.com
Emergency Phone 888-277-1695 (Between 08:00 – 17:00 Central Time)

2. HAZARD(S) IDENTIFICATION

Appearance Liquid
Color White.
Odor Characteristic.

Human Health

May cause minor irritation on eye contact. May cause minor irritation on skin contact.

General Information

No specific health warnings noted.

Inhalation

No specific health warnings noted.

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

Skin Contact

Skin irritation is not anticipated when used normally.

Eye Contact

May cause slight irritation.

Health Warnings

No specific health warnings noted.

Target Organs

No specific target organs noted

Medical Symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Medical Considerations

No information about adverse effects due to exposure.

Environment

The product is not expected to be hazardous to the environment.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

WATER		50-80%
CAS No.:	EC No.:	
GHS Classification Not classified.		
METHYLHYDROXYPROPYLCELLULOSE		0.5 - 1.0%
CAS No.: 9004-65-3	EC No.:	
GHS Classification Not classified.		
NONYLPHENOL, BRANCHED ETHOXYLATED (30 EO)		0.5 - 1.0%
CAS No.: 68412-54-4	EC No.:	
GHS Classification Aquatic Chronic 3 - H412		
BRONOPOL (INN)		< 0.5%
CAS No.: 52-51-7	EC No.: 200-143-0	
GHS Classification Acute Tox. 4 - H302; Acute Tox. 4 - H312; Skin Irrit. 2 - H315; Eye Dam. 1 - H318; STOT SE 3 - H335; Aquatic Acute 1 - H400		
AMMONIA ...%		< 0.5%
CAS No.: 1336-21-6	EC No.: 215-647-6	
GHS Classification Skin Corr. 1B - H314; STOT SE 3 - H335; Aquatic Acute 1 - H400		
1,2-BENZISOTHIAZOL-3(2H)-ONE		< 0.5%
CAS No.: 2634-33-5	EC No.: 220-120-9	
GHS Classification Acute Tox. 4 - H302; Skin Irrit. 2 - H315; Eye Dam. 1 - H318; Skin Sens. 1 - H317; Aquatic Acute 1 - H400		
2-METHYLISOTHIAZOL-3(2H)-ONE		< 0.5%
CAS No.: 2682-20-4	EC No.: 220-239-6	
GHS Classification Acute Tox. 4 - H302; Acute Tox. 2 - H330; Skin Corr. 1B - H314; Skin Sens. 1 - H317; Aquatic Acute 1 - H400		

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POTASSIUM SORBATE		< 0.5%
CAS No.: 24634-61-5	EC No.:	
GHS Classification Not classified.		
SODIUM BENZOATE		< 0.5%
CAS No.: 532-32-1	EC No.:	
GHS Classification Not classified.		
SULPHURIC ACID ...%		< 0.5%
CAS No.: 7664-93-9	EC No.: 231-639-5	
GHS Classification Skin Corr. 1A - H314		

4. FIRST AID MEASURES

Description of first aid measures

Inhalation

Fresh air. Get medical attention if any discomfort continues.

Ingestion

Get medical attention if any discomfort continues.

Skin Contact

Remove contaminated clothes and rinse skin thoroughly with water.

Eye Contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions.

Most important symptoms and effects, both acute and delayed

Inhalation

Irritation of nose, throat and airway.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Prolonged contact may cause redness, irritation and dry skin.

Eye Contact

Irritation of eyes and mucous membranes.

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Indication of any immediate medical attention and special treatment needed

Notes To The Physician

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

5. FIRE FIGHTING MEASURES

Auto Ignition Temperature (°C)

Not determined.

Flammability Limit - Lower(%)

Not determined.

Flammability Limit - Upper(%)

Not determined.

Flash point (°C)

Not determined.

Extinguishing Media

This product is not flammable.

Hazardous combustion products

None under normal conditions.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective clothing as described in Section 8 of this material safety data sheet.

Environmental Precautions

Avoid discharge into drains.

Spill Clean Up Methods

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

Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling

No specific usage precautions noted.

Storage

No specific recommendations.

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Specific end use(s)

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
SULPHURIC ACID ...%	ACGIH		0.2 mg/m3			A2
SULPHURIC ACID ...%	PEL		1 mg/m3			
COMPONENT						IDLH
SULPHURIC ACID ...%						15 mg/m3

ACGIH=American Conference of Governmental Industrial Hygienists.

A2: Suspected Human Carcinogen.

Protective Equipment



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	White.
Odor	Characteristic.
Solubility	Miscible with water

Initial boiling point and boiling range

Not determined.

Melting point (°C)

Not determined.

Relative density	1.0 - 1.1
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Vapor density (air=1)

Not determined.

Vapor pressure

Not determined.

Evaporation rate

Not determined.

pH-Value, Conc. Solution

Not applicable.

Viscosity

Not determined.

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Solubility Value (G/100G H₂O@20°C)

Not applicable.

Decomposition temperature (°C)

Not determined.

Odour Threshold, Lower

Not determined.

Odour Threshold, Upper

Not determined.

Flash point

Not determined.

Auto Ignition Temperature (°C)

Not determined.

Flammability Limit - Lower(%)

Not determined.

Flammability Limit - Upper(%)

Not determined.

Partition Coefficient

(N-Octanol/Water)

Not determined.

Explosive properties

No information available.

Oxidising properties

Does not meet the criteria for oxidising.

10. STABILITY AND REACTIVITY

Reactivity

No specific reactivity hazards associated with this product.

Stability

Stable under normal temperature conditions and recommended use.

Not relevant

Hazardous Polymerisation

Will not polymerise.

Conditions To Avoid

No specific conditions are likely to result in a hazardous situation.

Materials To Avoid

No specific, or groups of materials are likely to react to produce a hazardous situation.

Hazardous Decomposition Products

None under normal conditions.

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11. TOXICOLOGICAL INFORMATION

Toxicological Information on Ingredients:

METHYLHYDROXYPROPYLCELLULOSE (CAS: 9004-65-3)

NONYLPHENOL, BRANCHED ETHOXYLATED (30 EO) (CAS: 68412-54-4)

12. ECOLOGICAL INFORMATION

Degradability

The product is not readily biodegradable.

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not determined.

Mobility:

Mobile. The product is partly miscible with water and may spread in the aquatic environment.

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

14. TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

15. REGULATORY INFORMATION

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

The following ingredients are listed.

SULPHURIC ACID 0.0025%; EPCRA 302 TPQ 1 000 lbs Tier II TPQ 500 lbs

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The following ingredients are listed.

AMMONIA 0.0192%; 1, 000 lbs (454 Kg)

SULPHURIC ACID 0.0025%; 1, 000 lbs (454 Kg)

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SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

The following ingredients are listed.

AMMONIA 0.0192%

SULPHURIC ACID 0.0025%

CAA Accidental Release Prevention

None of the ingredients are listed.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed.

SULPHURIC ACID 0.0025%

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed.

Massachusetts "Right To Know" List

The following ingredients are listed.

AMMONIA 0.0192%

SULPHURIC ACID 0.0025%

Rhode Island "Right To Know" List

The following ingredients are listed.

SULPHURIC ACID 0.0025%

Minnesota "Right To Know" List

The following ingredients are listed.

SULPHURIC ACID 0.0025%

New Jersey "Right To Know" List

The following ingredients are listed.

AMMONIA 0.0192%

SULPHURIC ACID 0.0025%

Pennsylvania "Right To Know" List

The following ingredients are listed.

AMMONIA 0.0192%

SULPHURIC ACID 0.0025%

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International Inventories

EU - EINECS/ELINCS

The following ingredients are listed.

1, 2-BENZISOTHIAZOL-3(2H)-ONE

2-METHYLISOTHIAZOL-3(2H)-ONE

AMMONIA 0.0192%

BRONOPOL (INN)

POTASSIUM SORBATE

SODIUM BENZOATE

SULPHURIC ACID 0.0025%

WATER

Canada – DSL/NDSL

All ingredients are listed or exempt.

US - TSCA

All ingredients are listed or exempt.

US – TSCA 12(b) Export Notification

The following ingredients are listed.

2-METHYLISOTHIAZOL-3(2H)-ONE

Australia - AICS

All ingredients are listed or exempt.

Japan – MITI

The following ingredients are listed.

1, 2-BENZISOTHIAZOL-3(2H)-ONE

2-METHYLISOTHIAZOL-3(2H)-ONE

AMMONIA 0.0192%

BRONOPOL (INN)

METHYLHYDROXYPROPYLCELLULOSE

SODIUM BENZOATE

SULPHURIC ACID 0.0025%

WATER

Korea - KECI

All ingredients are listed or exempt.

China - IECSC

All ingredients are listed or exempt.

Phillippines – PICCS

All ingredients are listed or exempt.

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16. OTHER INFORMATION

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 22/10/2012

Revision 1

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the User's responsibility to satisfy himself as to the suitability of such information for his own particular use.