



SAFETY DATA SHEET
FOR
LIQUID HARDENER (IHG)

REVISION DATE: 10/17/2017

VERSION 6

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I. Product and Company Identification

Supplying Company

Franchise Sourcing, LLC.
2800 W. Airport Blvd.
Sanford, FL. 32771

Website:

www.marblelife.com

Email:

technicalsupport@marblelife.com

Product Name:

InterStage Hardener – G (IHG)

Chemical Family:

(Mixture) Inorganic Fluorides

General Use:

For MARBLELIFE professional use only. Crystallizer substance of natural stone.

24 Hour Emergency Response Information

Infotrac: 1-800-535-5053

II. Hazards Identification

Single Word: DANGER!

Hazard Pictogram:



Hazard Statement: H301 : Toxic if swallowed

Precautionary Statements: P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

Response: P301 + P310: IF SWALLOWED : DO NOT DELAY. Seek medical attention immediately.

Storage: P405: Store locked up.

Disposal considerations: P501: Disposal of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national, international regulations.

HMIS CODE:

See further information: Section 16

State of matter: Liquid Emulsion

Color: Pink

Odor: Slight odor – Mild

Other Hazards: This product does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH Commission Regulation (EU) No. 453/2010.

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	 

Potential health effects

Primary routes of exposure: Routes of entry from liquids include eye, skin contact, ingestion and inhalation.

Acute Toxicity

Eye:

Causes moderate to severe irritation, experienced as discomfort or pain, excess blinking and tear production, with marked excess redness and swelling of the conjunctiva.

Sensitization / skin contact:

Brief contact is not irritating. Prolonged contact may cause discomfort and local redness.

Ingestion:

Ingestion may cause gastrointestinal disturbance.

Inhalation:

Irritation to respiratory tract.



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III. Composition / Information on Ingredients

CAS Number	Content (W/W)	EC No.	Index No.	REACH	Chemical Name
16949-65-8	15-20%	241-022-2	009-018-00-3	N/A	Magnesium Hexafluorosilicate

Classification: T;R25, Acute Toxic. 3 (oral)_ H301

Mixture of Magnesium Hexafluorosilicate (less than 20%) in aqueous solution and waxy emulsions.

IV. First Aid Measures

If inhaled:

DO NOT DELAY. Assure fresh air breathing. Allow the victim to rest. In case of accident or if you feel unwell, seek medical advice immediately. (show this SDS when possible)

If on skin:

DO NOT DELAY. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. In case of accident or if you feel unwell, seek medical advice immediately. (show this SDS when possible)

If swallowed:

DO NOT DELAY. Immediately call a doctor or seek medical attention. Do NOT induce vomiting. (show this SDS when possible)

If in eyes:

DO NOT DELAY. Immediately flush eyes thoroughly with water and continue washing for several minutes. Obtain medical attention if pain, blinking or redness persist. (show this SDS when possible)

NOTES TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

V. Fire-Fighting Measures

Extinguishing Media:

Suitable extinguishing media:

All extinguishing media can be used. Dry powder. Carbon dioxide. Sand.

Unsuitable extinguishing media:

Do not use a heavy water stream.

Surrounding fires:

Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture:

Flammable class:

Not Flammable

Hazardous combustion products:

Thermal decomposition generates: Toxic gases ($\text{SiF}_4 + \text{MgF}_2$)

Advise for fire-fighters:

Protection against fire:

Do not enter fire area without proper protection equipment, Including respiratory protection. Exercise caution when fighting any chemical fire.

Special procedures:

Avoid fire-fighting water to enter environment.



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XI. Accidental release measures

For emergency responders:	Avoid contact with skin, eyes and clothing. Equipment cleanup crew with proper protection.
For non-emergency responders:	Evacuate unnecessary personnel.
Environmental precautions:	Small spills can be flushed with large amounts of water and wet vacuum For later disposal in hazardous waste facility. Prevent entry to sewers and public waters. Notify authorities if product enters sewers.
Method and material for containment and cleaning up:	Ventilate area. Soak up spills with inert solids, such as Clay or diatomaceous earth as soon as possible. Collect spills and put in into appropriated container. Recover and reclaim or recycle, if practical. Dispose in accordance with local/federal regulations.

VI. Handling and Storage

<u>Handling:</u> Personal Protection:	Avoid eye and skin contact. Use NIOSH approved eye protection and NIOSH latex or rubber gloves. Wear suitable protective clothing.
<u>Storage:</u>	Store protected against freezing. Keep only in the original container in cool well ventilated place. Keep container closed when not in use. Store away from strong acids. Direct sunlight.

VII.Exposure Controls and Personal Protection

Personal Protection Equipment (PPE) D:

Hand protection:

Chemical resistant protective gloves of Neoprene or PVC.

Eye protection:

Tightly fitting safety goggles (chemical goggles) and/or face shield.

Respirator:

Filter cartridges: Vapor or Organic

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

VIII. Physical and Chemical Properties

Physical state at 20 deg. C (68 deg. F.):	Liquid
Color:	Pink
Odor:	Mild Characteristic
pH Value:	2
Flash Point:	Not Flammable
Odor:	Mild. Characteristic.
Color:	Pink
Freezing Point:	0 °C (32 deg F.)
Boiling Point:	No data available
Evaporation Rate: (Butyl Acetate = 1)	No data available
Specific Gravity: (H2O =1)	1.150 – 1.170 G/ml @ 20 deg. C.
Solubility in water:	In water, material soluble.
Explosive properties:	No data available
Explosion limits – upper (%)	No data available
Explosion limits – lower (%)	No data available



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IX. Stability and Reactivity

Reactivity:

Not established

Conditions to avoid:

See SDS section 7 – Handling and storage. Direct sunlight. Temperatures exceeding: 40° C. / 104° F.

Incompatible materials:

Strong acids. Strong bases. Maybe corrosive to some metals.

Hazardous reactions:

No hazardous reactions when stored and handled according to the instructions. This product is chemically stable.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated. Thermal decomposition generates : Toxic gases ($\text{SiF}_4 + \text{MgF}_2$)

X. Toxicological Information

Skin:

Result: Possible irritating

The product has not been tested. The statement has been derived from the properties of the individual components.

Eye:

Result: Irritating

The product has not been tested. The statement has been derived from the properties of the individual components.

Sensitization:

Result: Possible irritating

The product has not been tested. The statement has been derived from the properties of the individual components.

Aspiration Hazard:

Result: No aspiration hazard expected.

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxic for reproduction:

Results: No based on available data, the classification criteria are not met. The statement has been derived from the properties of the individual components.

Other Information:

The product has not been tested. The statement has been derived from the properties of the individual components.



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XI. Ecological Information

Fish:

Result on: The product has not been tested. The statement has been derived from the properties of the individual components.

Aquatic invertebrates:

Result on: The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulation:

Result on: No data available

PBT and vPvB assessment

Result on: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH. Commission Regulation (EU) No. 452/2010.

Other adverse effects:

Result on: Avoid release to the environment. The product has not been tested. The statement has been derived from the properties of the individual components.

XII. Disposal considerations

Waste disposal of substance:

Disposal of in accordance with Federal, national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Disposal of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Special precautions:

Hazardous waste due to toxicity.

XIII. Transport Information

Land transport

USDOT

Proper Shipping Name:	Toxic Liquid, Inorganic, N.O.S. (Magnesium Hexafluorosilicate)
UN Number:	3287
Class:	6.1
P.G.:	III
Label Code: Single word:	DANGER

ADR – Classification code:	T4
ADR – Group:	III
ADR – Packing instructions:	P001, R001, LP001
ADR – Limited Quantity:	LQ7

Sea Transport (IMDG)

Proper Shipping Name:	Toxic Liquid, Inorganic, N.O.S. (Magnesium Hexafluorosilicate)
UN Number:	3287
IMO-IMDG – Class	6.1
IMO-IMDG – Packing Grp.	III
IMO-IMDG – Packing Inst.	P001, LP01
IMO-IMDG – Limited Qty.	5L
IMO-IMDG – Marine Pollution:	Yes
EMS-Nr:	F-A, S-A



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Air Transport (ICAO-IATA)

Proper Shipping Name:	Toxic Liquid, Inorganic, N.O.S. (Magnesium Hexafluorosilicate)
UN Number:	3287
IATA Class:	6.1
IATA Packing Grp.	III
IATA Passenger and Cargo:	Allowed
-Passenger and Cargo Packing Instruction:	665
-Passenger and Cargo – Maximum Qty:	60 L
IATA – Cargo only:	Allowed
-Cargo Only Packing Instruction:	663
-Cargo Only Maximum Qty.:	220L
IATA – Limited Qty.:	5L
ERG-Nr:	6L

XV. Regulations

TSCA: Listed in the TSCA inventory.

SARA (Title 313): Title compound not listed.

Second Ingredient: none

Third Ingredient: none

XVI. Other Information

NFPA Hazard codes: SEE SECTION 1 for Pictogram

Health: 1 Fire: 0 Reactivity: 0 Special:

HMIS III rating:

Health: 1 Flammability: 0 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of for indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

PPE Personal Protection Equipment

D: Safety glasses, goggles or half or full face shield, NIOSH approved chemical resistant gloves, Normal work uniform. Respirator: Organic filter cartridges.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

SDS Prepared by:

MARBLELIFE, Inc.

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SDS converted to new format and prepared on 11/23/2014



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IMPORTANT: While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/usage, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property right of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale, further, you expressly understand and agree that the descriptions, designs, data, and information furnished by MARBLELIFE, ML Distribution, Inc., Franchise Sourcing, LLC., its vendors and suppliers hereunder are given gratis and MARBLELIFE, ML Distribution, Inc., Franchise Sourcing, LLC., its vendors and suppliers assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.

MARBLELIFE urges customers or recipients of this SDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this SDS.

To promote safe handling, each customer or recipient should notify its employees, agents, contractors and others who it knows or believes might come in contact with this material of the information in this SDS and any other information regarding hazards or safety.

Revised Sections:

11/01/97: Section 1: Address Changed
12/2003: Section 1: Address Changed
12/2008: Section 1: Address Changed
11/23/2014 Modification of this SDS per Hazard Communication Standard (HCS) to conform with the United Nations' (UN) Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and per HazCom 2012.
04/24/2015: Section 1: Address Change
10/17/2017: Section 1: Name Change
Section 7: PPE
Section 16: Other Information

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