

SDS SHEET



[In accordance with the regulation no 1907/2006 (Reach) and 453/210]

SECTION 1 Identification

Product identifier	Gard-Flex
Other means of identification	Bitumen Thick Coating
Recommended use:	Building Material
Manufacturer:	Hydro-Gard, LLC
Address:	18340 Yorba Linda Blvd, Suite 107, Box 304, Yorba Linda, CA 92886
Telephone / Fax	562/944-7030 / Fax: 562/944-6402
Email competent person	saras@hydro-gard.com
Further information provided by	Sara Sears, 562/944-7030
Incident Spill, Leak, Fire, Exposure, or Accident	CHEMTREC Day or Night 1-800-424-9300 / +1 703-527-3887 CCN 825652

SECTION 2 Hazard (s) Identification

Classification of substance or mixture	This product is not classified
Label elements	
Hazard symbols and signal words	None Known

SECTION 3 Composition / Information on Ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations:

Product Characterization	Mixtures
Hazardous Components	Component: Quartz (SiO ₂) CAS Number: 14808-60-7 WT%: 10-25%

SECTION 4 First - Aid Measures

General Information:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person
After Skin Contact:	Immediately wash affected area with water and soap and rinse thoroughly
After Eye Contact:	Flush opened eyes thoroughly with running water for at least 10 minutes and seek medical advice
After Inhalation:	Remove victim to fresh air, keep warm and rest. Seek medical attention.

After Swallowing:	A suspension of activated charcoal in water, or petroleum jelly may be administered. Wash the mouth thoroughly and drink plenty of water. Consult a physician immediately and present this safety data sheet.
Important Symptoms/Effects (Acute and Delayed):	No specific hazards are encountered under normal product use
Indication of immediate medical attention and special treatment needed:	No further relevant information is available

SECTION 5 Fire - Fighting Measures

Extinguishing media	
Suitable extinguishing media:	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special hazards arising from the substance or mixture	The product does not present a fire hazard. The original ingredients or unidentified toxic and/or irritant compounds may be present in the combustion fumes
Advice for fire fighters	Do not inhale explosion or combustion gases/fumes. Wear NIOSH approved self contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers out of affected areas immediately if it can be done safely.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Move persons to safe place. Ensure ventilation. See additional information in Section 7 and 8.
Environmental precautions	Limit leakage with earth or sand. Do not allow to enter into soil/subsoil. Do not allow to enter sewage system, surface or ground water. Retain contaminated washing water and dispose of it. In case of entry into waterways, soil or drains, inform responsible authorities. Suitable materials for taking up: Absorbing material, organic, sand.
Methods and material for containment and cleaning up	Suitable materials for taking up: Absorbing material, organic, sand. Wash with plenty of water. Retain contaminated washing water and dispose of it.
Additional Information:	See Section 7 for more information on safe handling. See Section 8 for more information on personal protective equipment. See Section 13 for more information on disposal.

SECTION 7 Handling and Storage

Precautions for safe handling	Keep containers tightly closed when not in use. Avoid contact with skin and eyes. Avoid inhalation of vapors and mists. Do not eat or drink while in use. See also Section 8 for recommended protective equipment. Fine dust may form explosive mixture in the air. Keep away from open flames, heat, and sparks. Do not remove shrink film in hazardous locations (because of risk of static charging/discharging).
Fire and explosion Protection:	No special measures required
Conditions for safe storage:	Keep away from food, drinks, and feed.
Incompatible materials:	None in particular
Storeroom requirements and receptacles:	Store only in the original receptacle. Keep receptacles tightly sealed. Store above 5° C in a well ventilated place.
Storage Information in one common storage facility:	Not required

Further Storage information: None
Specific and use (s) No data available

SECTION 8 Exposure Controls / Personal Protection

Additional information about design of technical facilities: No further data - see item 7

Control Parameters: Free crystalline silica ($\text{Ø} > 10\mu$)- CAS: 14808-60-7
ACGIH- LTE mg/ m3 (8h): 0.025 mg/ m3- Notes: A2 ®- Pulmonary fibrosis, lung cancer

Exposure Controls: Individual protection measures such as personal protective equipment

General Protective and hygienic measures: The usual precautionary hygiene measures should be followed.
Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Eye Protection: Not needed for normal use. Operate according to good working practices. If necessary, wear tightly sealed safety goggles

Skin Protection: No special precaution must be adopted for normal use.

Hand Protection: **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 found out by the manufacturer of the protective gloves and has to be observed.

Thermal Hazards: None

Environmental Exposure Control: None

SECTION 9 Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance: Pasty

Odor: Characteristic

Odor threshold: Not Measured - not available

Color: Black

pH: (At 20 °C) 9-11

Melting point/freezing point: Not Measured

Flash point: Not applicable

Danger of Explosion: Product does not present an explosion hazard

Explosion Limits:

Lower: Not applicable

Ignition Temperature: Not available

Upper: Not applicable

Self Igniting: Product is not self igniting

Decomposition Temperature:	Not available
Vapor Pressure:	Not applicable
Density at 23 °C (estimated):	1.01 g/cm ³
Relative Density:	Not available
Vapor Density:	Not applicable
Evaporation Rate:	Not applicable
Solubility in/Miscibility with water:	dispersible
Solubility in oil:	insoluble
Partition coefficient (n-octanol/water):	Not available
Viscosity:	Dynamic at 23°C mPa.s
Kinematic:	Not available
Other information:	No other applicable information available

SECTION 10 Stability and Reactivity

Reactivity	Stable under normal conditions
Chemical stability	Stable under normal circumstances.
Thermal decomposition:	No decomposition if used according to specifications
Possibility of hazardous reactions	None known
Condition to avoid	Stable under normal conditions
Incompatible materials	None in particular
Hazardous decomposition products	none known

SECTION 11 Toxicological Information

Information on toxicological effects

Toxicity of the product:	Category	Hazard Description
Ingestion	-	Yes
Inhalation:	-	No
Contact:	-	No
Toxicological information related to the product:		There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.
Toxicological information about the product:		N/A
Toxicological information of the main substances found in the mixture:		N/A
Corrosive/Irritating Properties:		Eye: The product can cause a temporary irritation by contact
Sensitizing effects:		No effects are known

Carcinogenic effects:	No effects are known
Mutagenic effects:	No effects are known
Teratogenic effects:	No effects are known

If not differently specified the information listed below is N/A:

- a) Acute toxicity
- b) Skin corrosion/ irritation
- c) Serious eye damage/ irritation
- d) Respiratory or skin sensitivity
- e) Germ cell mutagenicity
- f) Carcinogenicity
- g) Reproductive toxicity
- h) STOT- single exposure
- i) STOT- repeated exposure
- j) Aspiration hazard

SECTION 12 Ecological Information (non-mandatory)

Toxicity

General Product Information:	No available data on the mixture
Aquatic Toxicity:	The preparation is not to be considered toxic to the aquatic environment based on components. LC50 > 100 mg/l- aquatic species.
Environmental effects:	No applicable information available.
Persistence of degradability:	N/A
Bioaccumulation:	N/A
Mobility in soil:	N/A
List of substances dangerous for the environment and corresponding classification:	<p>1) 29 ppm 2- octyl-2H-isothiazol-3-one CAS: 26530-20-1, R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. EC50 (Daphnia): 0.32 mg/l (48 hr); EC50 (Algae): 0.031 mg/l (72 hr); LC50 (Fish): 0.047 mg/l (96 hr)</p> <p>2) 1 ppm 1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5, R50 very toxic to aquatic organisms; EC50 (Daphnia): 3.7 mg/l (48 hr); EC50 (Algae): 0.37 mg/l (72 hr)</p>
Other adverse effects:	No applicable data available on the mixture

SECTION 13 Disposal Consideration (non-mandatory)

Waste treatment methods	Recommendation: Must not dispose the product together with household garbage. Do not allow product to reach sewage system, surface or ground water.
Contaminated Packaging:	Disposal must be made in accordance with all applicable laws and regulations. Recommended cleansing agents: Water, if necessary together with cleansing agents.
Disposal:	Disposal must be made in accordance with all applicable laws and regulation

SECTION 14 Transport Information (non-mandatory)

UN number (ADR, AND, IMDG, IATA)	Not Regulated
UN proper shipping name (ADR, AND, IMDG, IATA)	Not Regulated

Transport hazard class (es):

U.S. DOT	Not Regulated
Canadian Transportation of dangerous goods:	Not Regulated
Land Transport ADR/RID:	Not Restricted
Inland waterway transport IMO/IMDG:	Not Regulated
Maritime transport IMO/IMDG:	Not Regulated
Air Transport ICAO-TI and IATA-DGR:	Not Regulated
Packing Group:	Not Applicable
Environmental Hazards:	Marine Pollutant - No
Special precautions for user:	Not Applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not Applicable

SECTION 15 **Regulatory Information (non-mandatory)**

Regulatory Overview	The product is not classified as dangerous goods.
Chemical safety assessment:	A chemical safety assessment has not been carried out

SECTION 16 **Other Information, Including date of preparation or last revision**

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

Information about limitation of use: For use only by technically qualified individuals

History of revisions:

SDS - Gard Flex	Effective Date 06/01/2015
SDS - Gard Flex	Effective Date 07/18/17

Important:

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, safety, environmental, or performance considerations. It is the users' responsibility to make their own investigations, studies and tests to determine the suitability and completeness of the information for their own particular use. Hydro-Gard assumes no liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

Hydro-Gard reserves the right to refuse shipment of this product to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules and regulations. Such demonstration may require on-site inspection of any or all storage, processing, packaging and other handling systems that come in contact with it.

Customers are responsible for compliance with local, provincial or state, federal and foreign regulations and laws that may be pertinent in the storage, application and disposal of this product.

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The information and recommendations provided in this Safety Data Sheet are presented in good faith and believed to be correct as of the date hereof. The manufacturer makes no representations as to the completeness or accuracy thereof. Information supplied upon the condition that

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