

SDS SHEET

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

SECTION 1

Identification

Product identifier	Gard-Flex 5404
Other means of identification	Termination Mastic
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

Physical Hazards	Flammable Liquids
Health Hazards	Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Germ cell mutagenicity Category 1B Carcinogenicity Category 1A Specific target organ toxicity, single exposure Category 3 respiratory tract irritation Specific target organ toxicity, single exposure Category 3 narcotic effects
Environmental Hazards	Not classified
OSHA Hazards	Not classified
Label Elements	



Signal Word	Danger
Hazard Statement	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Flammable liquid and vapor. May cause cancer. May cause genetic defects.
Precautionary Statement Prevention	Wash thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use explosion-proof electrical/ventilating/lighting equipment. Use only outdoors or in a well-ventilated area.

Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Specific treatment see Section 4 of this SDS. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If exposed or concerned: Get medical advice/attention. Wash hands after handling. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. In case of fire: Use appropriate media to extinguish.
Storage	Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None Known
Supplemental Information	None

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:

Chemical Name	Common Name and symptoms	CAS Number	%
ASPHALT		8052-42-4	40-60
NAPTHA (PETROLEUM) HYDRO TREATED HEAVY		64742-48-9	5-25
SOLVENT NAPTHA (PERTOLEUM), LIGHT AROM		64742-95-6	1-20
1-PROPANAMINE 3-(ISODECYLOXY), ACETATE		28701-67-9	1-10
BENZENE		71-43-2	<1
QUARTZ		14808-60-7	<1

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
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately. Call a physician if symptoms develop or persist.
Skin Contact	Wash off immediately with soap and plenty of water. Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash clothing separately before reuse.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Call a physician or poison control center immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed

Treat symptomatically

General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5

Fire - Fighting Measures

Suitable extinguishing media

Alcohol resistant foam. Dry powder. Carbon dioxide (CO₂)

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Specific protective equipment and precautions for firefighters

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

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

Flammable liquid and vapor.

SECTION 6

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent entry into waterways, sewer, basements or confined areas. Take precautionary measures against static discharge. Use only non-sparking tools.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Put material in suitable, covered, labeled containers.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

SECTION 7

Handling and Storage

Precautions for safe handling

Avoid prolonged exposure. Observe good industrial hygiene practices.

Conditions for safe storage, including incompatibilities

Store locked up. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep away from heat and sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

SECTION 8**Exposure Controls / Personal Protection**

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Benzene (CAS 71-42-2)	STEL	5 ppm
	TWA	1 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	PEL	0.05 mg/m3	Respirable dust

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Benzene (CAS 71-43-2)	Ceiling	25 ppm
	TWA	10 ppm

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable
		2.4 mppcf	Respirable

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TWA	0.5 mg/m3	Inhalable Fume
Benzene (CAS 71-43-2)	STEL	2.5 ppm	
	TWA	0.5 ppm	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable Fraction

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	CEILING	5 mg/m3	Fume
Benzene (CAS 71-43-2)	STEL	1 ppm	
	TWA	0.1 ppm	
Quartz (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable Dust

Biological limit values**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen
Benzene (CAS 71-43-2)	25 ug/g	S-Phenylmercapturic acid	Creatine in urine

For sampling details please see the source document

Exposure guidelines**US - California OELs: Skin designation**

Benzene (CAS 71-43-2) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Benzene (CAS 71-43-2) Can be absorbed through the skin.

Appropriate engineering controls Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection Wear appropriate chemical resistant gloves.

Hand protection

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not smoke.

SECTION 9

Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance:	Viscous Liquid
Physical State	Liquid
Form	Liquid
Color	Brown to Black
Odor:	Mild Petroleum Odor Solvent
Odor threshold:	not available
pH:	not available
Melting point/freezing point:	not available
Initial Boiling point and boiling range	not available
Flash point:	100.0 - 140.0 °F (37.8 - 60.0 °C) Cleveland Open Cup
Evaporation rate	not available
Flammability (solid, gas)	not applicable

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	not available
Flammability limit - upper (%)	not available
Explosive Limit - lower (%)	not available
Explosive limit - upper (%)	not available
Vapor Pressure:	not available
Vapor Density:	not available
Relative density	not available
Solubility with water:	not available

Partition coefficient (n-octanol/water):	not available
Auto-ignition temperature	473 °F (245 °C) estimated
Decomposition temperature	not available
Viscosity	not available

Other information

Specific gravity	1.031
VOC	<250 g/l estimated

SECTION 10 Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Condition to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11 Toxicological Information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful. May cause irritation to the respiratory system. May cause drowsiness and dizziness.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye damage.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity	Not available.
Skin corrosion/irritation	Irritating to skin
Serious eye damage/eye irritation	Causes serious eye irritation

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	May cause sensitization by skin contact.
Germ cell mutagenicity	May cause genetic defects.
Carcinogenicity	May cause cancer

IARC Monographs. Overall Evaluation of Carcinogenicity

ASPHALT (CAS 8052-42-4)	2B Possibly carcinogenic to humans.
BENZENE (CAS 71-43-2)	1 Carcinogenic to humans.
QUARTZ (CAS 14808-60-7)	1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

BENZENE (CAS 71-43-2)	Cancer
QUARTZ (CAS 14808-60-7)	Cancer

US. National Toxicology Program (NTP) Report on Carcinogens

BENZENE (CAS 71-43-2)	Known To Be Human Carcinogen.
QUARTZ (CAS 14808-60-7)	Known To Be Human Carcinogen.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - Single exposure	Central nervous system. May cause drowsiness and dizziness. May cause respiratory irritation.
Specific target organ toxicity - Repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

SECTION 12**Ecological Information (non-mandatory)**

Ectotoxicity	Components of this product are hazardous to aquatic life. Accumulation in aquatic organisms is expected. Not expected to be harmful to aquatic organisms.
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Product	Species	Test Results
Gard-Flex 5404 RUBBERIZED FLASHING CEMENT		
Aquatic		
Crustacea	EC50 Daphnia	4289.7461 mg/l, 48 hours estimated
Fish	LC50 Fish	262.6234 mg/l, 96 hours estimated

Components	Species	Test Results
BENZENE (CAS 71-43-2)		
Aquatic		
Aquatic	EC50 Water flea (Daphnia magna)	8.76 - 15.6 mg/l, 48 hours
Crustacea	LC50 Rainbow trout, donaldson trout (Oncorhynchus mykiss)	7.2 - 11.7 mg/l, 96 hours
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture	

Bioaccumulative potential**Partition coefficient n-octanol / water (log Kow)**

BENZENE	2.13
Mobility in soil	No data available

SECTION 13**Disposal Consideration (non-mandatory)**

Disposal instructions	Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Dispose of this material and its container to hazardous or special waste collection point. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose in accordance with all applicable regulations.
Local disposal regulation	Dispose in accordance with all applicable regulations.
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14**Transport Information (non-mandatory)****DOT**

UN number	UN 1999
UN proper shipping name	Tars, liquid including road oils and cut back bitumens
Transport hazard class (es):	
Class	Combustible Liquid
Subsidiary risk	-
Label (s)	3
Packaging group	III
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling
Special provisions	B1, B13, IB3, T1, TP3
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	242

IATA

UN Number	UN1999
UN proper shipping name	Tars, liquid including road asphalt and oils, bitumen and cut backs
Transport hazard class (es):	
Class	3
Subsidiary risk	-
Packaging group	III

Environmental hazards	No
ERG Code	3L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IDMG

UN Number	UN1999
UN proper shipping name	TARS, LIQUID including road oils, and cutback bitumens

Transport hazard class (es):

Class	3
Subsidiary risk	-
Packaging group	III

Environmental hazards

Marine pollutant No

EmS F-E, S=E

Special precautions Read safety instructions, SDS and emergency procedures before handling

Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code Not established.

IATA; IMDG



Further information If shipped by ground in quantities LESS than 119 gallons (450 L): Not regulated as a hazardous material. If shipped by vessel in individual containers that are less than 7.9 gallons (30 L) each, then IMDG 2.3.2.5 exception applies: Not regulated as a hazardous material.

SECTION 15 Regulatory Information (non-mandatory)

US Federal regulation This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

Not regulated Listed

SARA 304 Emergency release notification

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

BENZENE (CAS 71-43-2)	Cancer
QUARTZ (CAS 14808-60-7)	Cancer
BENZENE (CAS 71-43-2)	Central nervous system
QUARTZ (CAS 14808-60-7)	lung effects
BENZENE (CAS 71-43-2)	Blood
QUARTZ (CAS 14808-60-7)	Immune system effects
BENZENE (CAS 71-43-2)	Aspiration
QUARTZ (CAS 14808-60-7)	Kidney effects
BENZENE (CAS 71-43-2)	Skin Eye Respiratory tract irritation Flammability

**Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA 302 Extremely hazardous substance**

Not listed

SARA 311/312 Yes

Hazardous chemical

Classified Hazard categories

Flammable (gases, aerosols, liquids, or solids)
Skin corrosion or irritation
Serious eye damage or eye irritation
Germ cell mutagenicity
Carcinogenicity
Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

Chemical name	CAS Number	% by wt
BENZENE	71-43-2	<1

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

BENZENE (CAS 71-43-2)

Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)

Not regulated

Safe drinking water act (SDWA) Not regulated

US State regulations

California prop 65

WARNING:

This product can expose you to chemicals including BENZENE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

BENZENE (CAS 71-43-2) Listed: February 27, 1987

QUARTZ (CAS 14808-60-7)

Listed: October 1, 1988

California Proposition 65 - CRT: Listed date/Developmental toxin

BENZENE (CAS 71-43-2)

Listed: December 26, 1997

California Proposition 65 - CRT: Listed date/Male reproductive toxin

BENZENE (CAS 71-43-2)

Listed: December 26, 1997

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

BENZENE (CAS 71-43-2)

NAPHTHA (PETROLEUM), HYDRO TREATED HEAVY (CAS 64742-48-9)

QUARTZ (CAS 14808-60-7)

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (CAS 64742-95-6)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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 05/04/2023

Version # 1

NFPA Rating

Health: 2
Flammability: 2
Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

Revision information

Exposure controls/personal protection: Appropriate engineering controls
Physical & Chemical Properties: Multiple Properties

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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