

According to OSHA HCS

Product Name : Elastiseal BP-300(Water Block Mastic)	Version : 01
Product Code : BP-300	Initial Date : 27/01/2017
HS Code : 3214901000	Revision Date : 19/04/2019

SECTION 01: Identification of the substance/mixture and of the company/undertaking


Product name	Elastiseal BP-300(Water Block Mastic)
Article Number	730663-1
Identified uses	Sealant
Application of the substance	Sealant
Manufacturer / Supplier	Techno Rubber Company Ltd
Address	PO Box 3508, Dammam 34326, Kingdom of Saudi Arabia
Telephone	+966 13 812 3333
Website	www.technorubber.com.sa
Email	info@technorubber.com.sa
Association / Organisation	Techno Rubber Emergency Response
Telephone	+966 13 812 3333 (Sunday - Thursday 08:00-17:00)
Fax	+966 13 812 3322

SECTION 02: Hazards identification

2.1 Classification of the substance or mixture



Classification of the substance or mixture	Skin Irrit. 2 H315 causes skin irritation Eye Irrit. 2 H320 causes skin irritation
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2.2. Label elements

GHS Label elements	The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard Pictograms	 GHS07
Signal word	Warning
Hazard statements	Causes skin and eye irritation
Precautionary statements	Wear protective gloves

	<p>Wash thoroughly after handling</p> <p>If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</p> <p>Specific treatment (see on this label).</p> <p>If skin irritation occurs: Get medical advice/attention</p> <p>If eye irritation persists: Get medical advice/attention</p> <p>If on skin: wash with plenty of water</p>
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2.3 Classification system

NFPA rating (scale 0-4)	 <p>Health-2, Fire-2, Reactivity-0</p>
HMIS rating (scale 0-4)	 <p>Health-2, Fire-2, Physical hazard-0</p>
Other hazards	<p>Results of PBT and vPvB assessment</p> <p>PBT : Not applicable</p> <p>vPvB: Not applicable</p>

SECTION 03: Composition/information on ingredients

3.1 Chemical characterization Mixtures

Description: Mixture

Hazardous components and Non-Dangerous Components:

CAS number: 64742-89-8	Solvent naphtha (petroleum), light aliph.(VM&P)	5-20%
CAS number: 64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	2.5-10%
CAS number: 1333-86-4	Carbon black	≤2.5%
CAS number: 1305-78-8	Calcium oxide	≤1.0%
CAS number: 14808-60-7	Quartz (SiO ₂)	≤0.5%

3.2 Additional information

It is a highly unlikely the powders and pigments compounded within this product would pose a hazardous risk form inhalation as they are no longer a respirable particulate. Exposure to these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. The concentrations listed in the composition section are percent by weight unless a gas. Gas concentrations are expressed in percent by volume.

SECTION 04: First aid measures

4.1. Description of first aid measures

After Inhalation	Supply fresh air or oxygen: call for doctor
After skin contact	Immediately wash with water and soap and rinse thoroughly.
After eye contact	Rinse opened eye for 20 minutes under running water. If eye becomes irritated obtain medical treatment.

After swallowing	Seek medical treatment.
Information for doctor	Most important symptoms and effects, both acute and delayed. No further relevant information available. Indication of any immediate medical attention and special treatment needed. No further relevant information available.

SECTION 05: Fire-fighting measures

Extinguishing media

Suitable extinguishing agents	CO2, extinguishing powder or water spray. fight larger with water spray. Use fire-fighting measures that suit the environment.
Special hazards arising from the substance or mixture	No further relevant information available.

Advice for fire fighters

Protective equipment	Protective clothing and respiratory protective device.
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SECTION 06: Accidental release measures

Personal precautions , protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
Environmental precautions	Do not allow to enter sewers/surface or ground water.
Methods and material for containment and cleaning up	Absorb with liquid binding material (sand, diatomite, acid binders, sawdust). Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation.
Reference to other sections	See section 7 for information on safe handling. See section 8 for information on personal protective equipment. See section 13 for disposal information.

Protective action criteria for chemicals:

PAC-1

CAS number: 64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	140 mg/m ³
CAS number: 1305-78-8	Calcium oxide	6 mg/m ³
CAS number: 57-11-4	Stearic acid, pure	14 mg/m ³
CAS number: 14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³

PAC-2

CAS number: 64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	1500 mg/m ³
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ELASTISEAL BP-300

CAS number: 1305-78-8	Calcium oxide	110 mg/m ³
CAS number: 57-11-4	Stearic acid, pure	150 mg/m ³
CAS number: 14808-60-7	Quartz (SiO ₂)	33 mg/m ³

PAC-3

CAS number: 64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	8900 mg/m ³
CAS number: 1305-78-8	Calcium oxide	660 mg/m ³
CAS number: 57-11-4	Stearic acid, pure	910 mg/m ³
CAS number: 14808-60-7	Quartz (SiO ₂)	200 mg/m ³

SECTION 07: Handling and storage

Handling

Precautions for safe handling	Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling.
Information about protection against explosions and fires	Keep container closed when not in use

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles	Store in a cool location away from direct heat.
Information about storage in one common storage facility	Store away from oxidizing agents.
Further information about storage conditions	Keep receptacle tightly sealed.
Specific end use(s)	No further relevant information available.

SECTION 08: Exposure controls/Personal protection

Additional information about design of technical systems	No further data, see item 7.
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Control parameters

Components with limit values that require monitoring at the workplace	The following 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.
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1333-86-4 Carbon black

PEL	Long-term value: 3.5 mg/m ³
REL	Long-term value: 3.5 mg/m ³ *0.1 in presence of PAHS: see pocket guide Apps. A+C
TLV	Long-term value: 3 mg/m ³ *inhalable fraction

1305-78-8 Calcium oxide

PEL	Long-term value: 5 mg/m ³
REL	Long-term value: 2 mg/m ³
TLV	Long-term value: 2 mg/m ³

14808-60-7 Quartz (SiO₂)


PEL	See Quartz listing
REL	Long-term value: 0.05* mg/m ³ *respirable dust: see pocket guide App. A
TLV	Long-term value: 0.025 mg/m ³ *as respirable fraction


8.2 Additional information

The lists that were valid during the creation were used as basis.

Exposure Controls

Personal protective equipment (see listings below)

General protective and hygienic measures	<p>Keep away from foodstuffs, beverages and feed.</p> <p>Immediately remove all soiled and contaminated clothing.</p> <p>Wash hands before breaks and at the end of work.</p> <p>Store protective clothing separately.</p>
Breathing equipment	<p>Use approved respiratory protection equipment when airborne exposure is excessive.</p> <p>Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.</p>
Protection of hands (Material of gloves)	 <p>The gloves material has to be impermeable and resistant to the product/ the substance/ the preparation.</p> <p>Nitrile rubber, NBR</p> <p>Chloroprene rubber, CR</p> <p>The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.</p>
Penetration time of glove material	<p>The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p>

Eye protection		Safety glasses with side shields and it must be tightly. Tightly Sealed goggles
Body protection		Protective work clothing

SECTION 09: Physical and chemical properties

Information on basic physical and chemical properties

General Information:

Form	Solid
Colour	Black
Odour	Petrol-like
Odour threshold	Not determined
PH value	Not applicable
Melting point	Undetermined
Boiling point	Undetermined
Flash point	40 °C (105 °F)
Decomposition temperature	Not determined
Auto igniting	Product is not self-igniting
Danger of explosion	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Flammable limits	Lower: 0.9% Upper: 6.7 %
Vapor pressure	45 mm Hg @ 20C
Specific gravity at 20 °C (68 °F)	1.35 g/cm ³ (11.266 lbs/gal)
Relative density	Not determined
Vapor density	3.8
Evaporation rate at 20°C (68°F)	9.2
Solubility in /miscibility with water	Insoluble
Partition coefficient(n-octanol/water)	Not determined
Dynamic viscosity	Not applicable
Kinematic viscosity	>20.5 cSt

Solvent content- Organic solvents	20%
Solid content	85%
Other information	VOC<150 g/l

SECTION 10: Stability and reactivity

Reactivity	No further relevant information available.
Chemical stability- Thermal decomposition / Conditions to be avoided	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	Heat, flames, sparks, hot surfaces, ignition sources.
Incompatible materials	Reacts with oxidizing agents.
Hazardous decomposition products	None known.

SECTION 11: Toxicological information

Information on toxicological effects- Acute toxicity

Primary irritant effect	On the skin: May irritate the skin. On the eye: May irritate the eye. Sensitization: No sensitization effects
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Additional toxicological information

Carcinogenic categories

IARC (International Agency for Research on Cancer)

1333-86-4	Carbon black	2B
14808-60-7	Quartz (SiO ₂)	1

NTP (National Toxicology Program)

14808-60-7	Quartz (SiO ₂)	K
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OSHA-Ca (Occupational Safety & Healthy Administration)

OSHA-Ca	None of the ingredients is listed.
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SECTION 12: Ecological information

Toxicity

Aquatic toxicity	No further relevant information available.
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Persistence & degradability	No further relevant information available.
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Behavior in environmental systems

Bio accumulative potential	No further relevant information available.
Mobility in soil	No further relevant information available.

Additional ecological information

General notes	At present there are no ecotoxicological assessments.
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Results of PBT and vPvB assessment.

PBT	Not applicable
vPvB	Not applicable
Other adverse effects	No further relevant information available.

SECTION 13: Disposal considerations

Water treatment methods - Recommendations	Small amounts can be disposed of with household waste after the product has cured or skinned over. Larger quantities should be disposed of according to state and local regulation.
Uncleaned packaging's - Recommendations	Disposal must be made according to official regulations.

SECTION 14: Transport information

UN-Number DOT, ADN, IMDG, IATA	Not regulated
UN proper shipping name DOT, ADN, IMDG, IATA	Not regulated
Transport hazard class(es) DOT, ADN, IMDG, IATA Class	Not regulated
Packing group DOT, IMDG, IATA	Not regulated
Environmental hazards	Not applicable
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

Transport/Additional information	This product is not classified as a Division 4.1 Flammable Solid according to UN Test N.1 Method for Readily Combustible Solids.
UN Model Regulation	Not regulated

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara Section 355 (extremely hazardous substances)	None of the ingredients is listed.
Section 313 (Specific toxic chemical listings)	None of the ingredients is listed.
TSCA (Toxic Substances Control Act)	All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Proposition 65

Chemicals known to cause cancer

CAS NO: 64742-89-8	Solvent naphtha (petroleum), light aliph.(VM&P)
Chemicals known to cause reproductive toxicity for females	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males	None of the ingredients is listed.
Chemicals known to cause developmental toxicity	None of the ingredients is listed.

(DSL) Canada Domestic Substance List

All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

New Jersey Right-to-Know List

1317-65-3	Limestone
1333-86-4	Carbon black
1305-78-8	calcium oxide
14808-60-7	Quartz (SiO ₂)

New Jersey Special Hazardous Substance List

1333-86-4	Carbon black	CA
1305-78-8	calcium oxide	CO, RI
14808-60-7	Quartz (SiO ₂)	CA

Pennsylvania Right-to-Know List

1317-65-3	Limestone
1305-78-8	calcium oxide
14808-60-7	Quartz (SiO ₂)

Pennsylvania Special Hazardous Substance List

None of the ingredients is listed.

Carcinogenity categories

EPA (Environmental Protection Agency)	None of the ingredients is listed.	
TLV (Threshold Limit Value established by ACGIH)		
1333-86-4	Carbon black A4	A4
14808-60-7	Quartz (SiO ₂) A2	A2

MAK (German Maximum Workplace concentration)

1333-86-4	Carbon black 3B	3B
14808-60-7	Quartz (SiO ₂) 1	1

NIOSH-Ca (National Institute for Occupational Safety and Health)

1333-86-4	Carbon black
14808-60-7	Quartz (SiO ₂)

National regulations

Information about limitation of use	Use by properly trained workers recommended.
Water hazard class	Not determined.
Chemical safety assessment	A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Department issuing SDS	Environment protection department
Abbreviations and acronyms	IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous materials Identification system (USA)
PBT: Persistent, Bio accumulative and Toxic
vPvB: very Persistent and very Bio accumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

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