Your Single Source For Innovative Architectural Concrete Solutions

Bomanite XP Primer VB – Part B

Section 1 Product Description

Product Name:	Bomanite XP Primer VB – Part B
Recommended Use:	Moisture Control Epoxy
Supplier:	Bomanite LLC • 34501 East Quincy Ave. Building 28 • Watkins, CO 80137 (303) 369-1115 * www.bomanite.com
Emergency Phone:	CHEMTRAC 1-800-424-9300

Section 2 Hazard(s) Identification

Classification of the substance or mixture



GHS08 Health Hazard

Repr. 2 H361Suspected of damaging fertility or the unborn child.



GHS05 Corrosion

Eye Dam.1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Label Elements
GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS05



GHS08

Signal Word: Danger

Hazard-determining components of labeling:
4-tert-butylphenol

Hazard statements
Causes skin irritation.
Causes serious eye damage.
Suspected of damaging fertility or the unborn child.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center/doctor.
IF exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:
NFPA ratings (scale 0 - 4)



Health = 3
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)



*Health = *3*
Fire = 0
Reactivity = 0

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable

Section 3 Composition/Information on Ingredients

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions
Dangerous components:

98-54-4	4-tert-butylphenol	>5%-<25%

Section 4 First Aid Measures

Description of first aid measures

After inhalation: Supply fresh air, consult doctor in case of complaints.
After skin contact: Immediately wash with water.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing: If symptoms persist consult doctor.
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 5 Fire Fighting Measures

Extinguishing Media
Suitable extinguishing agents: Use fire fighting measures that suit the environment.
Special hazards arising from the substance or mixture: No further relevant information available.

Advice for Firefighters
Protective equipment: No special measures required.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Not required
Environmental precautions:
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Dispose contaminated material as waste according to item 13.
Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Protective Action Criteria for Chemicals

PAC-1:		
98-54-4	4-tert-butylphenol	1.5 mg/m³
PAC2:		
98-54-4	4-tert-butylphenol	40 mg/m³
PAC3:		
98-54-4	4-tert-butylphenol	240 mg/m³

Section 7 Handling and Storage

Handling
Precautions for safe handling: No special precautions are necessary if used correctly.
Information about protection against explosions and fires: No special measures required.

Conditions For Safe Storage, Including Any Incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.
Specific end use(s): No further relevant information available.

Section 8 Exposure Controls / Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters
Components with limit values that require monitoring at the workplace:
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages, and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Breathing equipment:
Not required.
Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
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.
Eye protection:
Tightly sealed goggles

Section 9 Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

General Information
Appearance:

Form:	Liquid
Color:	Colorless
Odor:	Characteristic
Odor Threshold:	Not determined
pH Value:	Not applicable
Change in Condition:	
Melting Point/Range:	Undetermined
Boiling Point/Range:	239.5 °C (463.1 °F)
Flash Point:	Not applicable
Flammability (solid, gaseous):	Not determined
	Not applicable
Ignition Temperature:	510 °C (950 °F)
Decomposition Temperature:	Not determined
Auto Igniting:	Product is not self-igniting
Danger of Explosion:	Product does not present an explosion hazard
Explosion Limits:	
Lower:	Not determined
Upper:	Not determined
Vapor Pressure at 20° C (68° F):	0 hPa (0 mm Hg)
Density at 20 °C (68 °F):	1.03 g/cm³ (8.59535 lbs/gal)
Relative Density:	Not determined
Vapor Density:	Not applicable
Evaporation Rate:	Not applicable

Solubility in / Miscibility with Water: Insoluble
Partition Coefficient

(n-octanol/water): Not determined
Viscosity:
Dynamic: Not applicable
Kinematic: Not applicable
Solvent Content:
VOC Content: 0.00 %
0.0 g/l / 0.00 lb/gal
Solids Content: 100.0%
Other Information: No further relevant information available

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: No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous Decomposition Products: No dangerous decomposition products known.

Section 11 Toxicological Information

Information on Toxicological Effects
Acute Toxicity:
LD/LC50 values that are relevant for classification:
98-54-44-tert-butylphenol

Oral	LD50	2,951 mg/kg (rat)
Dermal	LD50	2,288 mg/kg (rabbit)

Primary Irritant Effect:
On the skin: No irritant effect
On the eye: Strong irritant with the danger of severe eye injury
Sensitization: No sensitizing effects known
Additional Toxicological Information: The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
Carcinogenic Categories:
IARC (International Agency for Research on Cancer): None of the ingredients is listed
NTP (National Toxicology Program): None of the ingredients is listed
OSHA-Ca (Occupational Safety & Health Administration: None of the ingredients is listed

Section 12 Ecological Information

Toxicity
Aquatic Toxicity: No further relevant information available
Persistence and degradability: No further relevant information available
Behavior in environmental systems:
Bioaccumulative potential: No further relevant information available
Mobility in soil: No further relevant information available
Additional Ecological Information:
General Notes: Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system
Danger to drinking water if even small quantities leak into the ground
Results of PBT and vPvP Assessment:
PBT: Not applicable
vPvB: Not applicable
Other adverse effects: No further relevant information available

Section 13 Disposal Considerations

Waste Treatment Methods
Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned Packagings:
Recommendation: Disposal must be made according to official regulations

Section 14 Transport Information

UN-Number
DOT, ADN, IMDG, IATA UN2735

UN Proper Shipping Name
DOT Corrosive liquids, n.o.s. (4-tert-butylphenol)
IMDG, IATA CORROSIVE LIQUID, N.O.S. (4-tert-butylphenol)

Transport Hazard Class(es)
DOT



Class: 8 corrosive substances
Label: 8

IMDG, IATA



Class: 8 corrosive substances
Label: 8

Packaging Group
DOT, IMDG, IATA III

Environmental Hazards: Not applicable

Special Precautions for User: Warning: Corrosive substances
Danger Code (Kemler): 80
EMS Number: F-A, S-B
Stowage Category A
Stowage Code SW2 Clear of living quarters.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

Transport/Additional Information
DOT
Quantity Limitations On passenger aircraft/rail: 25kg
On cargo aircraft only: 100kg

IMDG
Limited Quantities (LQ) 5 kg

Excepted Quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 1000 g
UN "Model Regulation": UN 1760 CORROSIVE LIQUID, N.O.S. (4-TERT BUTYLPHENOL), 8, III

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):
98-54-4 4-tert-butylphenol

Proposition 65
Chemicals known to cause cancer: None of the ingredients is listed.
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.

Carcinogenic Categories
EPA (Environmental Protection Agency): None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.
GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS05 **GHS08**

Signal Word: Danger

Hazard-determining components of labeling:
4-tert-butylphenol

Hazard statements
Causes skin irritation.
Causes serious eye damage.
Suspected of damaging fertility or the unborn child.

Precautionary statements
If medical advice is needed, have product container or label at hand.
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Read label before use.
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Do not handle until all safety precautions have been read and understood.
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Wear protective gloves/protective clothing/eye protection/face protection.
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If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center/doctor.
IF exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.

Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out

Section 16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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)
VOC:	Volatile Organic Compounds (USA, EU)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
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 Dam. 1:	Serious eye damage/eye irritation – Category 1
Repr. 2:	Reproductive toxicity – Category 2