



# Safety Data Sheet

## BoaBond™ Structural Wall Repair Adhesive PART A

Chemical Concepts • 410 Pike Road  
Huntingdon Valley, PA 19006 • Phone: 800.220.1966

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 7/17/2024 Revision date: 10/4/2024 Version: 1.1

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : **BoaBond™ Structural Wall Repair Adhesive**  
Synonyms : Part A (IG)

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Epoxy-Based Adhesive  
Restrictions on use : Industrial or Professional Use Only

#### 1.3. Supplier

**Chemical Concepts**  
**410 Pike Road**  
**Huntingdon Valley, PA. 19006**  
**Phone: 800.220.1966**  
**Email: sales@chemical-concepts.com Website: www.chemical-concepts.com**

#### 1.4. Emergency telephone number

Information department: Product safety department. **In Case of Emergency Contact: INFOTRAC: 800-535-1035**

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation
Skin sensitization, Category 1	H317	May cause an allergic skin reaction
Hazardous to the aquatic environment – Acute Hazard Category 2	H401	Toxic to aquatic life
Hazardous to the aquatic environment – Chronic Hazard Category 2	H411	Toxic to aquatic life with long lasting effects

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects  
H302 - Harmful if swallowed  
H312 - Harmful in contact with skin  
H332 - Harmful if inhaled

Precautionary statements (GHS US) :

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.



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P103 - Read label before use.  
 P261 - Avoid breathing mist, spray, vapors.  
 P264 - Wash hands, forearms and face thoroughly after handling.  
 P272 - Contaminated work clothing must not be allowed out of the workplace.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 - If on skin: Wash with plenty of water.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321 - Specific treatment (see supplemental first aid instruction on this label).  
 P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.  
 P362+P364 - Take off contaminated clothing and wash it before reuse.  
 P363 - Wash contaminated clothing before reuse.  
 P391 - Collect spillage.  
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Bisphenol F Epoxy Resin	CAS-No.: 9003-36-5	20 – 30	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Phenol polymer with formaldehyde, glycidyl ether	CAS-No.: 28064-14-4	20 – 30	Skin Irrit. 2, H315 Skin Sens. 1A, H317
butanedioldiglycidyl ether	CAS-No.: 2425-79-8	10 – 20	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline]	CAS-No.: 28768-32-3	1 – 5	Skin Sens. 1, H317 Aquatic Chronic 2, H411

Full text of hazard classes and H-statements : see section 16



## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Do not breathe mist, spray, vapors. Avoid contact with skin and eyes.
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.



**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

- Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist, spray, vapors. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**7.2. Conditions for safe storage, including any incompatibilities**

- Storage conditions : Store locked up. Store in dry, cool, well-ventilated area.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**BoaBond™ Structural Wall Repair Adhesive Part A**

No additional information available

**butanedioldiglycidyl ether (2425-79-8)**

No additional information available

**Phenol polymer with formaldehyde, glycidyl ether (28064-14-4)**

No additional information available

**Bisphenol F Epoxy Resin (9003-36-5)**

No additional information available

**4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline] (28768-32-3)**

No additional information available

**8.2. Appropriate engineering controls**

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

**8.3. Individual protection measures/Personal protective equipment**

**Hand protection:**

Protective gloves

**Eye protection:**

Safety glasses

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

[In case of inadequate ventilation] wear respiratory protection.



Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: off white to white
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 25000 cP
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available



**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity (oral) : Not classified  
 Acute toxicity (dermal) : Not classified  
 Acute toxicity (inhalation) : Not classified

<b>butanedioldiglycidyl ether (2425-79-8)</b>	
LD50 oral rat	1134 mg/kg Source: National Library of Medicine
LD50 dermal rat	> 2150 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
LD50 dermal rabbit	1130 mg/kg Source: National Library of Medicine
ATE US (oral)	1134 mg/kg body weight
ATE US (dermal)	1130 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
<b>Phenol polymer with formaldehyde, glycidyl ether (28064-14-4)</b>	
LD50 oral rat	> 2000 mg/kg Source: GESTIS
LD50 dermal rat	> 400 mg/kg Source: GESTIS
<b>Bisphenol F Epoxy Resin (9003-36-5)</b>	
LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
<b>4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline] (28768-32-3)</b>	
LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 3000 mg/kg body weight Animal: rabbit
LC50 Inhalation - Rat	> 30 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
<b>Bisphenol F Epoxy Resin (9003-36-5)</b>	
NOAEL (oral,rat,90 days)	≈ 250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)



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## 4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline] (28768-32-3)

NOAEL (oral,rat,90 days)	50 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
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Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

#### butanedioldiglycidyl ether (2425-79-8)

LC50 - Fish [1]	13 mg/l Source: National Institute of Technology and Evaluation
EC50 - Crustacea [1]	22 mg/l Source: National Institute of Technology and Evaluation

#### Phenol polymer with formaldehyde, glycidyl ether (28064-14-4)

LC50 - Fish [1]	5.7 mg/l
EC50 - Crustacea [1]	1.6 – 3.5 mg/l
NOEC (chronic)	0.3 mg/l

#### Bisphenol F Epoxy Resin (9003-36-5)

LC50 - Fish [1]	5.7 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	3.5 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	> 1000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

#### 4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline] (28768-32-3)

LC50 - Fish [1]	6 – 8 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [1]	≈ 6.7 mg/l Test organisms (species): Daphnia magna

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

#### butanedioldiglycidyl ether (2425-79-8)

Partition coefficient n-octanol/water (Log Pow)	0.01 Source: National Institute of Technology and Evaluation
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#### Phenol polymer with formaldehyde, glycidyl ether (28064-14-4)

Bioconcentration factor (BCF REACH)	150
Partition coefficient n-octanol/water (Log Kow)	3.6 (OECD 117)

#### Bisphenol F Epoxy Resin (9003-36-5)

Partition coefficient n-octanol/water (Log Pow)	2.7 – 3.6
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## 4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline] (28768-32-3)

Partition coefficient n-octanol/water (Log Pow) 2.53 Source: Quantitative Structure Activity Relation

### 12.4. Mobility in soil

#### butanedioldiglycidyl ether (2425-79-8)

Mobility in soil 0.48 Source: Quantitative Structure Activity Relation

#### 4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)aniline] (28768-32-3)

Mobility in soil 67.88 Source: EPI Suite

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
<b>14.1. UN number</b>		
Not applicable	3082	3082
<b>14.2. Proper Shipping Name</b>		
Not applicable	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FORMALDEHYDE POLYMER WITH (CHLOROMETHYL)OXIRANE AND PHENOL)	Environmentally hazardous substance, liquid, n.o.s. (Formaldehyde polymer with (chloromethyl)oxirane and phenol )
<b>14.3. Transport hazard class(es)</b>		
Not applicable	9	9
<b>14.4. Packing group</b>		
Not applicable	III	III
<b>14.5. Environmental hazards</b>		
Not applicable	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
Not regulated for ground transport, Non-bulk packagings of marine pollutants are exempted from HMR requirements (49 CFR 171.4).		



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## 14.6. Special precautions for user

### DOT

No data available

### IMDG

No data available

### IATA

No data available

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or exempted from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 10/04/2024

### Full text of hazard classes and H-statements

H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects



## BoaBond™ Structural Wall Repair Adhesive PART A

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Safety Data Sheet (SDS), USA (LLP)

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.





# Safety Data Sheet

## BoaBond™ Structural Wall Repair Adhesive PART B

Chemical Concepts • 410 Pike Road  
Huntingdon Valley, PA 19006 • Phone: 800.220.1966

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 3/31/2025 Version: 1.0

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : BoaBond Structural Wall Repair Kit Part B (CC6B)

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Epoxy Hardener/Curative  
Recommended use : Adhesives, sealants

#### 1.4. Supplier's details

##### Chemical Concepts

410 Pike Road

Huntingdon Valley, PA. 19006

Phone: 800.220.1966

Email: [sales@chemical-concepts.com](mailto:sales@chemical-concepts.com) Website: [www.chemical-concepts.com](http://www.chemical-concepts.com)

#### 1.4. Emergency telephone number

Information department: Product safety department. **In Case of Emergency Contact: INFOTRAC: 800-535-1035**

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Corrosive to metals, Category 1	H290	May be corrosive to metals.
Skin corrosion/irritation, Category 1B	H314	Causes severe skin burns and eye damage.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351	Suspected of causing cancer.

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H290 - May be corrosive to metals  
H314 - Causes severe skin burns and eye damage  
H317 - May cause an allergic skin reaction  
H351 - Suspected of causing cancer.

Precautionary statements (GHS US) : P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P234 - Keep only in original packaging.



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P260 - Do not breathe dusts or mists.  
 P264 - Wash hands, forearms and face thoroughly after handling.  
 P272 - Contaminated work clothing must not be allowed out of the workplace.  
 P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.  
 P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.  
 P302+P352 - If on skin: Wash with plenty of water.  
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313 - If exposed or concerned: Get medical advice/attention.  
 P310 - Immediately call a poison center or doctor.  
 P321 - Specific treatment (see supplemental first aid instruction on this label).  
 P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.  
 P362+P364 - Take off contaminated clothing and wash it before reuse.  
 P363 - Take off immediately all contaminated clothing and wash it before reuse.  
 P390 - Absorb spillage to prevent material-damage.  
 P405 - Store locked up.  
 P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Phosphorus ester*	CAS-No.: Trade Secret	20 – 30	Skin Corr. 1, H314 Skin Sens. 1B, H317
Phosphoric acid	CAS-No.: 7664-38-2	10 – 30	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335
Phosphoric acid dibutyl ester	CAS-No.: 107-66-4	10 – 20	Skin Corr. 1, H314 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Phosphoric acid monobutyl ester; Monobutyl phosphate	CAS-No.: 1623-15-0	10 – 20	Eye Irrit. 2, H319



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Name	Product identifier	%	GHS US classification
n-Butyl alcohol	CAS-No.: 71-36-3	0.5 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335
tributyl phosphate	CAS-No.: 126-73-8	0.1 – 0.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Carc. 2, H351 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

### SECTION 4 First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general	: Seek medical attention immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Get immediate medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.

#### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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#### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

#### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe mist, spray, vapors.

#### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

Environmental precautions : Avoid release to the environment.

### 6.2. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe mist, spray, vapors.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

### 7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Store in corrosive resistant container with a resistant inner liner. Store in dry, cool, well-ventilated area. Store locked up.

Incompatible materials : Metals.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

#### Phosphoric acid dibutyl ester (107-66-4)

#### USA - ACGIH - Occupational Exposure Limits

Local name	Dibutyl phosphate
ACGIH OEL TWA	5 mg/m <sup>3</sup> (IFV - Inhalable fraction and vapor)
Remark (ACGIH)	TLV® Basis: Bladder, eye & URT irr. Notations: Skin



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Phosphoric acid dibutyl ester (107-66-4)	
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Dibutyl phosphate
OSHA PEL TWA	5 mg/m <sup>3</sup>
	1 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Phosphoric acid (7664-38-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Phosphoric acid
ACGIH OEL TWA	1 mg/m <sup>3</sup>
ACGIH OEL STEL	3 mg/m <sup>3</sup>
Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Phosphoric acid
OSHA PEL TWA	1 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
n-Butyl alcohol (71-36-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	n-Butanol
ACGIH OEL TWA	20 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	n-Butyl alcohol
OSHA PEL TWA	300 mg/m <sup>3</sup>
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
tributyl phosphate (126-73-8)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Tributyl phosphate
ACGIH OEL TWA	5 mg/m <sup>3</sup> (IFV - Inhalable fraction and vapor)
Remark (ACGIH)	TLV® Basis: Bladder, eye, & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEIc
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Tributyl phosphate



# BoaBond™ Structural Wall Repair Adhesive PART B

## tributyl phosphate (126-73-8)

OSHA PEL TWA	5 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.  
 Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid.
Color	: dark gray
Odor	: No data available
Odor threshold	: No data available
pH	: Not applicable
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.2
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available



## BoaBond™ Structural Wall Repair Adhesive PART B

Particle characteristics : No data available

### Dibutyl acid phosphate

Particle characteristics	No data available
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### Butyl Acid Phosphate

Particle characteristics	No data available
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### Phosphoric acid

Particle characteristics	No data available
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### Butanol

Particle characteristics	No data available
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### Tributyl phosphate

Particle characteristics	No data available
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### Phosphorus ester

Particle characteristics	No data available
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## 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Strong bases. metals.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.



**SECTION 11 Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity (oral) : Not classified  
 Acute toxicity (dermal) : Not classified  
 Acute toxicity (inhalation) : Not classified

<b>Phosphoric acid dibutyl ester (107-66-4)</b>	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:

<b>Phosphoric acid (7664-38-2)</b>	
LD50 oral rat	2600 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	0.9615 mg/l Source: SIDS
ATE US (oral)	2600 mg/kg body weight
ATE US (dust, mist)	0.962 mg/l/4h

<b>n-Butyl alcohol (71-36-3)</b>	
LD50 oral rat	2292 mg/kg Source: ECHA
LD50 dermal rabbit	3430 mg/kg Source: ECHA
LC50 Inhalation - Rat [ppm]	8000 ppm Source: ECHA
ATE US (oral)	2292 mg/kg body weight
ATE US (dermal)	3430 mg/kg body weight
ATE US (gases)	8000 ppmV/4h

<b>tributyl phosphate (126-73-8)</b>	
LD50 oral rat	1552 mg/kg body weight Animal: rat, Guideline: other:
LD50 dermal rabbit	> 3100 mg/kg body weight Animal: rabbit, Remarks on results: other:
LC50 Inhalation - Rat	> 4242 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: other., Guideline: other:
LC50 Inhalation - Rat (Dust/Mist)	> 4.242 mg/l Source: ECHA
ATE US (oral)	1552 mg/kg body weight
ATE US (dust, mist)	1.5 mg/l/4h

<b>Phosphorus ester</b>	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 (Acute Toxicity (Oral))
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal))

Skin corrosion/irritation : Causes severe skin burns.  
 pH: Not applicable

<b>Phosphoric acid dibutyl ester (107-66-4)</b>	
pH	1.4 Temp.: 23 °C Concentration: 10 other:

Serious eye damage/irritation : Assumed to cause serious eye damage  
 pH: Not applicable



## BoaBond™ Structural Wall Repair Adhesive PART B

### Phosphoric acid dibutyl ester (107-66-4)

pH 1.4 Temp.: 23 °C Concentration: 10 other:

Respiratory or skin sensitization : May cause an allergic skin reaction.  
 Germ cell mutagenicity : Not classified  
 Carcinogenicity : Suspected of causing cancer.  
 Reproductive toxicity : Not classified  
 STOT-single exposure : Not classified

### Phosphoric acid (7664-38-2)

STOT-single exposure May cause respiratory irritation.

### n-Butyl alcohol (71-36-3)

STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.

STOT-repeated exposure : Not classified

### Phosphoric acid (7664-38-2)

NOAEL (oral,rat,90 days) 250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard : Not classified

### BoaBond Structural Wall Repair Kit Part B (CC6B)

Viscosity, kinematic No data available

### Phosphoric acid dibutyl ester (107-66-4)

Viscosity, kinematic 71.462 mm<sup>2</sup>/s

### Phosphoric acid monobutyl ester; Monobutyl phosphate (1623-15-0)

Viscosity, kinematic No data available

### Phosphoric acid (7664-38-2)

Viscosity, kinematic No data available

### n-Butyl alcohol (71-36-3)

Viscosity, kinematic 3.641 mm<sup>2</sup>/s

### tributyl phosphate (126-73-8)

Viscosity, kinematic No data available

### Phosphorus ester

Viscosity, kinematic No data available

Symptoms/effects after inhalation : None under normal conditions.  
 Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.  
 Symptoms/effects after eye contact : Serious damage to eyes.  
 Symptoms/effects after ingestion : Burns.

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.  
 Hazardous to the aquatic environment, short-term (acute) : Not classified



## BoaBond™ Structural Wall Repair Adhesive PART B

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Phosphoric acid dibutyl ester (107-66-4)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	≥ 100 mg/l Source: EHCA
NOEC (chronic)	66 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Phosphoric acid monobutyl ester; Monobutyl phosphate (1623-15-0)	
LC50 - Fish [1]	1466.322 mg/l Source: EPISUITE
EC50 - Crustacea [1]	688.318 mg/l Source: EPISUITE
EC50 96h - Algae [1]	190.647 mg/l Source: EPISUITE

Phosphoric acid (7664-38-2)	
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

n-Butyl alcohol (71-36-3)	
LC50 - Fish [1]	1376 mg/l Source: ECHA
EC50 - Crustacea [1]	1983 mg/l Source: ECHA
EC50 96h - Algae [1]	225 mg/l Source: ECHA
NOEC (chronic)	4.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

tributyl phosphate (126-73-8)	
LC50 - Fish [1]	17 mg/l Source: EHCA
EC50 - Other aquatic organisms [1]	4.6 mg/l Test organisms (species): Gammarus sp.
EC50 72h - Algae [1]	1.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	2.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	1.3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	1.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Phosphorus ester	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)

### 12.2. Persistence and degradability

BoaBond Structural Wall Repair Kit Part B (CC6B)	
Persistence and degradability	Not rapidly degradable

Phosphoric acid dibutyl ester (107-66-4)	
Persistence and degradability	Not rapidly degradable



# BoaBond™ Structural Wall Repair Adhesive PART B

## Phosphoric acid monobutyl ester; Monobutyl phosphate (1623-15-0)

Persistence and degradability	Not rapidly degradable
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## Phosphoric acid (7664-38-2)

Persistence and degradability	Not rapidly degradable
-------------------------------	------------------------

## n-Butyl alcohol (71-36-3)

Persistence and degradability	Not rapidly degradable
-------------------------------	------------------------

## tributyl phosphate (126-73-8)

Persistence and degradability	Not rapidly degradable
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## Phosphorus ester

Persistence and degradability	Not rapidly degradable
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## 12.3. Bioaccumulative potential

### Phosphoric acid dibutyl ester (107-66-4)

Partition coefficient n-octanol/water (Log Pow)	2.29 Source: HSDB
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### Phosphoric acid monobutyl ester; Monobutyl phosphate (1623-15-0)

Partition coefficient n-octanol/water (Log Pow)	0.76 Source: EPISUITE
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### n-Butyl alcohol (71-36-3)

Partition coefficient n-octanol/water (Log Pow)	1 Source: ECHA
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### tributyl phosphate (126-73-8)

Partition coefficient n-octanol/water (Log Pow)	4 Source: ECHA
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## 12.4. Mobility in soil

### Phosphoric acid monobutyl ester; Monobutyl phosphate (1623-15-0)

Mobility in soil	28.11 Source: EPISUITE
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## 12.5. Other adverse effects

Ozone : Not classified  
 Fluorinated greenhouse gases : No

## SECTION 13 Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
 Additional information : Do not re-use empty containers.




## SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
<b>14.1. UN number</b>		
UN3265	3265	3265



# BoaBond™ Structural Wall Repair Adhesive PART B

DOT	IMDG	IATA
<b>14.2. Proper Shipping Name</b>		
Corrosive liquid, acidic, organic, n.o.s. (phosphoric acid ; Phosphorus ester)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (PHOSPHORIC ACID ; PHOSPHORUS ESTER)	Corrosive liquid, acidic, organic, n.o.s. (phosphoric acid ; Phosphorus ester)
<b>14.3. Transport hazard class(es)</b>		
8	8	8
		
<b>14.4. Packing group</b>		
III	III	III
<b>14.5. Environmental hazards</b>		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

## 14.6. Transport in bulk

Not applicable

## 14.7. Special precautions for user

### DOT

UN-No. (DOT) : UN3265

### IMDG

No data available

### IATA

No data available

## SECTION 15 Regulatory information

### 15.1. Federal regulations

All components of this product are listed, or exempted from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Butanol	CAS-No. 71-36-3	0.5 – 5%
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### Phosphoric acid (7664-38-2)

CERCLA RQ	5000 lb
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# BoaBond™ Structural Wall Repair Adhesive PART B

## n-Butyl alcohol (71-36-3)

CERCLA RQ	5000 lb
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## 15.2. International regulations

No additional information available

## 15.3. State regulations

Component	State or local regulations
Phosphoric acid dibutyl ester(107-66-4)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
Phosphoric acid monobutyl ester; Monobutyl phosphate(1623-15-0)	U.S. - New York City - Right to Know Hazardous Substances List
Phosphoric acid(7664-38-2)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
n-Butyl alcohol(71-36-3)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
tributyl phosphate(126-73-8)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date : 3/31/2025

### Full text of hazard classes and H-statements

H226	Flammable liquid and vapor
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer.
H401	Toxic to aquatic life



## BoaBond™ Structural Wall Repair Adhesive PART B

### Full text of hazard classes and H-statements

H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), USA

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.

