

MATERIAL SAFETY DATA SHEET**B-PRIMER H₂O (1KG A)****PART 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

| | |
|-------------|------------|
| Date issued | 13/12/2019 |
|-------------|------------|

1.1 PRODUCT IDENTIFIER

| | |
|--------------|-----------------------------------|
| Trade name | B-primer H ₂ O (1kg A) |
| Product code | B-L.PH20 |

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

| | |
|-----|---|
| Use | Two component water-thinnable epoxy coat. |
|-----|---|

**1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET
MANUFACTURER**

| | |
|----------------|---|
| Company name | Brugs Dak Centrum |
| Postal address | Krakeleweg 6-8 |
| Postcode | B-8000 |
| City | Brugge |
| Country | Belgium |
| Tel | +32 (0)50 31 28 98 |
| Fax | +32 (0)50 31 05 23 |
| E-mail | greet@brugsdakcentrum.be |
| Website | http://www.brugsdakcentrum.be |
| Contact person | Greet Van Nieuwenhuyse |

1.4 EMERGENCY TELEPHONE NUMBER

| | |
|----------|---------------------------------|
| Phone nr | Only emergency call number: 112 |
|----------|---------------------------------|



**BRUGS
DAK CENTRUM**
DAK- & GEVELMATERIALEN

PART 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION EC 67/548 OR EC 1999/45



| | |
|----------------|--------------------------------|
| Classification | Xi; R36/38 R43 N; R51-53 |
|----------------|--------------------------------|

HAZARDS CLASS AND CATEGORY CODE REGULATIONS EC 1272/2008 (CLP)


| | |
|-----------------------|---|
| Health hazards | Skin irritation – Category 2 – Warning (CLP: Skin Irrit. 2) H315 Eye irritation – Category 2A – Warning (CLP: Eye Irrit. 2) H319 Skin sensitization – Category 1 – Warning (CLP: Skin Sens. 1) H317 |
| Environmental hazards | Hazardous to the aquatic environment – Chronic hazard – Category 2 (CLP: Aquatic Chronic 2) H411 |

2.2 LABEL ELEMENTS

LABELLING EC 67/548 OR EC 1999/45

| | |
|-------------|--|
| Symbol(s) |   <p>Xi: Irritant N: Dangerous for the environment</p> |
| R Phrase(s) | R36/R38: Irritating to eyes and skin. R43: May cause sensitization by skin contact. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| S Phrase(s) | S2: Keep out of the reach of children. S24: Avoid contact with skin. S26: In case of contact with eyes, rinse immediately and show this container or label. S28: After contact with skin, wash immediately with plenty of water. S37/39: Wear suitable gloves and eye/face protection. S46: If swallowed seek medical advice immediately and show this container or label. S61: Avoid release to the environment. Refer to special instructions/Safety data sheets |
| Contains | Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <= 700) – Reaction product: bisphenol-F- (epichlorhydrin) epoxy resin (number average molecular weight <= 700 – Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives contains epoxy constituents. See information supplied by the manufacturer. |

LABELLING REGULATION EC 1272/2008 (CLP)

| | |
|--------------------------------|--|
| Hazard pictograms |  |
| Signal words | Warning |
| Hazard statements: | H319: Causes serious eye irritation. H315: Causes skin irritation. H317: May cause an allergic skin reaction H411: Toxic to aquatic life with long lasting effects. |
| Precautionary statements | |
| <i>General</i> | P101: If medical advice is needed, have product container or label. P102: Keep out of reach of children. P103: Read label before use. |
| <i>Prevention</i> | P280: Wear eye protection and face protection. P280: Wear protective gloves. P261: Avoid breathing dust, fume, gas, mist, vapours, spray. P264: Wash thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release into the environment. |
| <i>Response</i> | P321: Specific Treatment (see on this label) P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P333+P313: If skin irritation or rash occurs: Get medical advice. P363: Wash contaminated clothing before reuse. P391: Collect spillage. |
| <i>Disposal considerations</i> | P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Contains | Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <= 700) – Reaction product: bisphenol-F- (epichlorhydrin) epoxy resin (number average molecular weight <= 700) – Oxirane, mono [(C12-14-alkyloxy) methyl] derivatives. EUH 205: Contains epoxy constituents. May produce an allergic reaction. |

2.3 OTHER HAZARDS

The substance does not fulfill the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

PART 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Substance/ Preparation | | Preparation. | | | | |
|--|------------|----------------------------|-----------|--------------|------------|---|
| Hazardous component(s) | | This product is hazardous. | | | | |
| Substance name | Contents | CAS N° | EC N° | Annex N° | REACH Ref. | Classification |
| Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <=700) | 50-70% | 25068-38-6 | 500-033-5 | 603-074-00-8 | ---- | R43 Xi; R36/38 N; R51-53 ----- Eye irrit. 2_ H319 Skin Irrit. 2_ H315 Skin Sens. 1_ H317 Aquatic Chronic 2_ H411 |
| Reaction product: bisphenol-F- (epichlorhydrin) epoxy resin (number average molecular weight <= 700) | 25 - 35% | 28064-14-4 | 500-006-8 | ---- | ---- | R43 Xi; R36/38 N; R51-53 ----- Eye irrit. 2_ H319 Skin Irrit. 2_ H315 Skin Sens. 1_ H317 Aquatic Chronic 2_ H411 |
| Oxirane, mono[(C12-14- alkyloxy)methyl] derivates | 12,5 - 15% | 68609-97-2 | 271-846-8 | 603-103-00-4 | ---- | Xi; R38 R43 ----- Skin Irrit. 2_ H315 Skin Sens. 1_ H317 |

PART 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

| | |
|--------------|--|
| Inhalation | Assure fresh air breathing. Allow the victim to rest. |
| Skin contact | If skin irritation or rash occurs: Wash contaminated clothing before reuse. Wash with plenty of soap and water. Specific treatment (see on this label). Get medical advice. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice. Specific treatment (see on this label). |
| Eye contact | 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 |
| Ingestion | Do not induce vomiting. Obtain emergency medical attention |

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

| | |
|--------------------------|--|
| Symptoms relating to use | Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction |
|--------------------------|--|

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

| | |
|---------------------|---|
| General information | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
|---------------------|---|

PART 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

| | |
|--------------------------------|--|
| Suitable extinguishing media | Foam. Water spray. Dry powder. Carbon dioxide. Sand. |
| Unsuitable extinguishing media | Do not use a heavy water stream. |
| Surrounding fires | Use water spray or fog for cooling exposed containers. |

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

| | |
|-------------------------------|---|
| Hazardous combustion products | Under fire conditions, hazardous fumes will be present. |
|-------------------------------|---|

5.3 ADVICE FOR FIRE-FIGHTERS

| | |
|-------------------------|--|
| Protection against fire | Do not enter fire area without proper protective equipment, including respiratory protection. |
| Special procedures | Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. |

PART 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

| | |
|--------------------------|---|
| For emergency responders | Equip cleanup crew with proper protection. Ventilate area. |
|--------------------------|---|

6.2. ENVIRONMENTAL PRECAUTIONS

| | |
|---------------------------|--|
| Environmental precautions | Avoid release into the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. |
|---------------------------|--|

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

| | |
|------------------|--|
| Clean up methods | Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spills and put in into appropriated container. |
|------------------|--|

6.4. REFERENCE TO OTHER SECTIONS

See part 8. Exposure controls/personal protection

PART 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

| | |
|-------------------------------|---|
| Technical protective measures | Provide good ventilation in process area to prevent formation of vapour. |
| Handling | Wash thoroughly after handling. Contaminated work clothing should be not allowed out of the workplace. Wash contaminated clothing before reuse. Avoid breathing dust, fume, gas, mist, vapours and spray. |

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

| | |
|---------------------|---|
| Storage | Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. |
| Storage – away from | Strong bases. Strong acids. Sources of ignition. Direct sunlight. |


7.3. SPECIFIC END USE(S)

| | |
|----------------------|-------|
| Specific end use(s): | None. |
|----------------------|-------|

PART 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

8.2 EXPOSURE CONTROLS

| | |
|-------------------------------|--|
| Personal protection |  |
| Personal protection | Avoid all unnecessary exposure. |
| <i>Respiratory protection</i> | Where excessive vapour may result, wear approved mask. |
| <i>Hand protection</i> | In case of repeated or prolonged contact. Wear protective gloves |
| <i>Skin protection</i> | Wear suitable protective clothing. |
| <i>Eye protection</i> | Chemical goggles or safety glasses |
| <i>Others</i> | When using, do not eat, drink or smoke. |



PART 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|----------------------------|
| Physical state | Liquid. |
| Color | Colorless to light yellow. |
| Odor | Light. |
| Odor threshold | No data available. |
| pH value | No data available. |
| Melting point/freezing point | No data available. |
| Decomposition point (°C) | No data available. |
| Critical temperature (°C) | No data available. |
| Auto-ignition temperature (°C) | 400 |
| Flammability (solid, gas) | No data available. |
| Flash point (°C) | >150 |
| Initial boiling point (°C) | No data available. |
| Final boiling point (°C) | No data available. |
| Evaporation rate | No data available. |
| Acid/alkali reserve (g NaOH/100g) | No data available. |
| Explosion limits - lower (%) | Not applicable. |
| Explosion limits - upper (%) | Not applicable. |
| Vapour pressure mm/Hg | No data available. |
| Vapour density | No data available. |
| Density (g/cm ³) | 1.12-1.16 |
| Solubility in water (% weight) | No data available. |
| Solubility in water | No data available. |
| Log Pow octanol / water at 20°C | No data available. |
| Solubility | Organic solvents. |
| Viscosity at 20°C (mPa.s) | 700-1100 |
| Explosive properties | Not applicable. |
| Oxidizing properties | Not applicable. |

9.2 OTHER INFORMATION

PART 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

| | |
|------------|------------------|
| Reactivity | Not established. |
|------------|------------------|

10.2. CHEMICAL STABILITY

| | |
|--------------------|--|
| Chemical stability | Stable under recommended storage conditions. |
|--------------------|--|

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

| | |
|---------------------|------------------|
| Hazardous reactions | Not established. |
|---------------------|------------------|

10.4. CONDITIONS TO AVOID

| | |
|---------------------|--|
| Conditions to avoid | Extremely high or low temperatures. Direct sunlight. |
|---------------------|--|

10.5. INCOMPATIBLE MATERIALS

| | |
|--------------------|-----------------------------|
| Materials to avoid | Strong acids. Strong bases. |
|--------------------|-----------------------------|

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

| | |
|-----------------------------------|-------------------------------|
| Hazardous decompositions products | None under normal conditions. |
|-----------------------------------|-------------------------------|

PART 11: TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

| | |
|------------------------|---|
| Acute toxicity | Not established. |
| Corrosion | Not established. |
| Irritation | Causes serious eye irritation. Causes skin irritation. |
| Sensitization | May cause an allergic skin reaction. |
| Mutagenicity | Not established. |
| Carcinogenicity | Not established. |
| Toxic for reproduction | Not established. |
| STOT-single exposure | Not established. |
| STOT-repeated exposure | Not established. |
| Aspiration hazard | Not established. |

PART 12: ECOLOGICAL INFORMATION**12.1. TOXICITY**

| | |
|----------------------|--|
| Toxicity information | Toxic to aquatic life with long lasting effects. |
|----------------------|--|

12.2. PERSISTENCE – DEGRADABILITY

| | |
|-----------------------------|---|
| Persistence – degradability | May cause long-term adverse effects in the environment. |
|-----------------------------|---|

12.3. BIOACCUMULATIVE POTENTIAL

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

12.4. MOBILITY IN SOIL

| | |
|---------------------------------|--------------------|
| Log Pow octanol / water at 20°C | No data available. |
| Mobility in soil | Not established. |

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

| | |
|------------------------------------|-----------------|
| Results of PBT and vPvB assessment | Not applicable. |
|------------------------------------|-----------------|

12.6. OTHER ADVERSE EFFECTS

| | |
|---------------------------|-----------------------------------|
| Environmental precautions | Avoid release to the environment. |
|---------------------------|-----------------------------------|

PART 13: DISPOSAL CONSIDERATIONS




13.1. WASTE TREATMENT METHODS

General

Avoid release to the environment.
Dispose of the material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

PART 14: TRANSPORT INFORMATION

14.1 LAND TRANSPORT (ADR – RID)

| | |
|----------------------------|---|
| General information | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Proper shipping name | 3082 |
| UN N° | 90 |
| H.I. nr | 9 |
| ADR - Class | 9 (9E) |
| Labelling -Transport |   |
| ADR - Classification code | M6 |
| ADR - Group | III |
| ADR - Packing instructions | P001 R001 LP001 |
| ADR - Limited quantity | 5L |
| ADR - Tunnel code | E |
| |  |

14.2. SEA TRANSPORT (IMDG) (ENGLISH ONLY)

| | |
|---------------------------------|---|
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Un N° | 3082 |
| IMO-IMDG - Class or division | 9 (9E) |
| IMO-IMDG - Packing group | III |
| IMO-IMDG - Packing instructions | P001 LP01 |
| IMO-IMDG - limited quantities | 5L |
| IMO-IMDG - Marine pollution | Yes |
| EMS-Nr | F-A-S-F |

14.3 AIR TRANSPORT (ICAO-IATA) (ENGLISH ONLY)

| | |
|-------------------------------------|---|
| Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| UN N° | 3082 |
| IATA - Class or division | 9 (9E) |
| IATA - Packing group | III |
| IATA - Passenger and Cargo Aircraft | ALLOWED |
| <i>Packing instruction</i> | 964 |
| <i>Maximum Quantity/Packing</i> | 450L |
| IATA – Cargo only | ALLOWED |
| <i>Packing instruction</i> | 964 |
| <i>Maximum Quantity/Packing</i> | 450L |
| IATA – Limited Quantities | 30kg G |
| ERG-Nr | 9L |

PART 15: REGULATORY INFORMATION**15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

| | |
|--|--|
| Safety, health and environmental regulations/legislation specific for the substance or mixture | Ensure all national/local regulations are observed. |
| REACH Restrictions - Annex XVII | The components of this product are not subject to restrictions. |
| REACH Authorization - Annex XIV | The components of this product are not subject to authorization. |

15.2. CHEMICAL SAFETY ASSESSMENT

| | |
|----------------------------|------------------------------|
| Chemical Safety Assessment | It has not been carried out. |
|----------------------------|------------------------------|

PART 16: OTHER INFORMATION

| | |
|---|---|
| Revision | Revision – See: * |
| Abbreviations and acronyms | PBT: persistent, bioaccumulative and toxic vPvB: very persistent and very bioaccumulative |
| Sources of key data used | REGULATION (EC) N°1272/2008 OF THE EUROPEAN PARLIAMANT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending, and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) N° 1907/2006. |
| List of relevant R phrases in part 3 | R36/38: Irritation to eyes, respiratory system and skin. R38: Irritating to skin. R43: May cause sensitization by skin contact. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| List of full text of H-statements in part 3 | H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects. |
| Further information | None. |