

# Safety data sheet

according to 1907/2006/EC, Article 31

**Trade name FORPRIME-HB Comp B.**

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1 Product identifier**

Trade name FORPRIME-HB, Comp. B

Article number: 20207.02

### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

### **Application of preparation:**

### **1.3 Details of the supplier of the safety data sheet**

#### **Manufacturer/Supplier:**

Forcrete Ltd

5 Fitzmaurice Court Industrial Estate, Valley Side, Wymondham NR18 0NN

Tel: +441603455962

Mob: +447472483348

Information department:

Product Safety department: George Hunt Tel: +447472483348

E-Mail: sales@forcrete.co.uk

### **1.4 Emergency telephone number:**

Tel: +447472483348

sales@forcrete.co.uk

## **SECTION 2: Hazards identification**

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

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

### **2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

### **Hazard pictograms**

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GHS05

**Signal word** Danger

**Hazard-determining components of labelling:**

Linseed oil polymer with bisphenol A, bisphenol A diglycidyl ether, diethylenetriamine, formaldehyde, glycidyl Ph ether and pentaethylenhexamine

**Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and 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.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH208 Contains 2,2'-iminodiethylamine, 3,6,9-triazaundecamethylenediamine, 3,6,9,12-tetrazaundecamethylenediamine. May produce an allergic reaction.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

**3.2 Chemical characterisation:** Mixtures

**Description:** Mixture of the substances listed below with harmless additions.

Dangerous components:
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CAS: 68915-81-1	Linseed oil polymer with bisphenol A, bisphenol A diglycidyl ether, diethylenetriamine, formaldehyde, glycidyl Ph ether and pentaethylenehexamine Eye Dam. 1, H318; Skin Irrit. 2, H315	≥10-<20%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36-XXXX	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥5-<10%
CAS: 111-40-0 EINECS: 203-865-4 Index number: 612-058-00-X Reg.nr.: 01-2119473793-27-XXXX	2,2'-iminodiethylamine Acute Tox. 2, H330; Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; STOT SE 3, H335	≥0.1-≤0.5%
CAS: 112-57-2 EINECS: 203-986-2 Index number: 612-060-00-0	3,6,9-triazaundecamethylenediamine Skin Corr. 1B, H314; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	≥0.25-≤0.5%
CAS: 4067-16-7 EINECS: 223-775-9 Index number: 612-064-00-2 Reg.nr.: 01-2119485826-22-XXXX	3,6,9,12-tetra-azatetradecamethylenediamine Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≥0.25-≤0.5%

**Additional information For the wording of the listed hazard phrases refer to section 16.**

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.

**After inhalation** In case of unconsciousness bring patient into stable side position for transport.

**After skin contact** Wash immediately with water and soap and rinse thoroughly.

**After eye contact** Rinse opened eye for several minutes under running water.

**After swallowing** Seek medical treatment.

### 4.2 Most important symptoms and effects, both acute and delayed

In case of prolonged/repeated exposure or in high concentrations:

Headache

Dizziness

nausea

Coughing

Excessive contact with skin, eyes or respiratory system may cause irritation.

Eye contact may cause temporary pain.

**Danger** Danger by skin resorption.

### 4.3 Indication of any immediate medical attention and special treatment needed

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symptomatic treatment

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### **Suitable extinguishing agents**

Use fire fighting measures that suit the environment.

#### 5.2 Special hazards arising from the substance or mixture

May be released in case of fire

Nitrous gases

Carbon monoxide (CO)

Carbon dioxide

Under certain fire conditions, traces of other toxic substances cannot be excluded.

#### 5.3 Advice for firefighters

**Protective equipment:** Wear self-contained breathing apparatus.

Wear full protective suit.

##### **Additional information**

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

#### 6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Do not allow product to reach sewage system or water bodies.

Inform responsible authorities in case product reaches bodies of water or sewage system.

Dilute with plenty of water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Use neutralising agent.

#### 6.4 Reference to other sections

See Section 7 for information on safe handling

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See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well ventilated areas.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

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

#### Storage

**Requirements to be met by storerooms and containers:** Prevent any penetration into the ground.

**Information on storage in a common storage facility:** Store away from oxidising agents.

#### Further information about storage conditions:

Store container in a well ventilated position.

Protect from frost.

Keep container tightly closed.

### 7.3 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.

### 8.1 Control parameters

**Components with limit values that require monitoring at the workplace:**

**Components with limit values that require monitoring at the workplace:**

#### CAS: 111-76-2 2-butoxyethanol

WEL Short-term value: 246 mg/m<sup>3</sup>, 50 ppm

Long-term value: 123 mg/m<sup>3</sup>, 25 ppm

Sk, BMGV

#### CAS: 111-40-0 2,2'-iminodiethylamine

WEL Long-term value: 4.3 mg/m<sup>3</sup>, 1 ppm

Sk

**Ingredients with biological limit values:**

#### CAS: 111-76-2 2-butoxyethanol

BMGV 240 mmol/mol creatinine

Medium: urine

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Sampling time: post shift

Parameter: butoxyacetic acid

**Additional information:** The lists that were valid during compilation were used as a basis.

## 8.2 Exposure controls

### Personal protective equipment

#### General protective and hygienic measures

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

The following indication regarding the personal protective equipment are to be considered as suggestions. The selection of the necessary personal protective equipment is to be evaluated by the employer depending on the types of operations and the local circumstances. If a risk assessment onsite shows that there is no risk for employees, the personal protective equipment is not required or the amount of the PPE can be adapted accordingly.

#### Respiratory equipment:

Respiratory protection recommended.

Filter A/P2.

Only use ambient air independent respiratory equipment in pits, shafts and silos.

#### Protection of hands:

Long cuffed gloves

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

Nitrile rubber, NBR

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 determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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 safety glasses.

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**Body protection:** Protective work clothing.

## SECTION 9: Physical and chemical properties

<b>9.1 Information on basic physical and chemical properties</b> <b>General Information</b>
<b>Appearance:</b> Form: Fluid Colour: Clear Odour: Weak, Characteristic Odour threshold: Not determined.
pH-value: Not determined.
Change in condition Melting point/freezing point: Not determined Initial boiling point and boiling range: 100°C
Flash point: ca. 105°C
Inflammability (solid, gaseous) Not applicable.
Ignition temperature: Not applicable.
Decomposition temperature: Not applicable.
Self-inflammability: Product is not self-igniting.
Explosive properties: Product is not explosive.
Explosive Limits: Lower: Not determined. Upper: Not determined.
Vapour pressure at 20°C: Not determined
Density at 20 °C: ca. 1.01 g/cm <sup>3</sup> Relative density: Not determined. Vapour density: Not determined. Evaporation rate: Not determined.
Solubility in / Miscibility with Water: miscible
Distribution coefficient (n-octanol/water): Not determined.
Viscosity: Dynamic at 20°C: 100 mPas Kinematic: Not determined.
Solvent separation test: < 3%
9.2 Other information No further relevant information available.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if handled and stored according to specifications.

**10.3 Possibility of hazardous reactions** Danger of bursting

**10.4 Conditions to avoid** No further relevant information available.

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## **10.5 Incompatible materials:**

Amines

Alcohols

## **10.6 Hazardous decomposition products:**

May be released in fire:

Carbon monoxide and carbon dioxide

Nitrous vitriol gases

Poisonous gases/vapours

Irritating gases/vapours

Inflammable gases/vapours

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

**Acute toxicity:** Based on available data, the classification criteria are not met.

**LD/LC50 values that are relevant for classification:** No further relevant information available.

**Skin corrosion/irritation:** Causes skin irritation.

**Serious eye damage/irritation:** Causes serious eye damage.

**Sensitisation:** Based on available data, the classification criteria are not met.

**Experience with humans:** Frequent or longer lasting skin contact may degrease and dry out skin which may lead to skin irritation and inflammation (dermatitis).

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

### **Ecotoxicological effects:**

**Remark:** Harmful to fish

### **Additional ecological information:**

#### **General notes:**

Do not allow product to reach ground water, bodies of water or sewage system.

Harmful to aquatic organisms

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### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### Recommendation

Not hardened material must be disposed of as hazardous waste according to official regulations. Hardened product remains may be disposed of as building rubble or put into household garbage. The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

### European waste catalogue

08 01 11\*- waste paint and varnish containing organic solvents or other hazardous substances

### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleaning agent:** Water, if necessary with cleaning agent.

## SECTION 14: Transport information

<b>14.1 UN-Number</b> ADR, IMDG, IATA UN3082	<b>This product is not dangerous according to ADR, ADN, IMDG, IATA.</b> <b>VOID</b>
<b>14.2 UN proper shipping name</b> ADR IMDG IATA	VOID
<b>14.3 Transport hazard class(es)</b> ADR, IMDG, IATA Class	VOID
<b>14.4 Packing group</b> ADR, IMDG, IATA	VOID
<b>14.5 Environmental hazards:</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	VOID

## SECTION 15: Regulatory information

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

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

Delivery specifications are found in the respective Technical Information Sheets.

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

#### Relevant phrases

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

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.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

**Classification according to Regulation (EC) No 1272/2008** Calculation method

**Department issuing data specification sheet:** Product Safety department / EHS

#### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the

International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity - oral – Category 4

Acute Tox. 2: Acute toxicity - inhalation – Category 2

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3