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

1.1. Product identifier
Product form: Mixture
Product name: Integral Water Resistant Plasticiser
Product code: BDH020/021/022; BDH200/201/202

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Use of the substance/mixture: Building and construction work

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Seal It Services T/A Bond It
Unit G16 River Bank Way
Lowfields Business Park
HX5 9DN Elland - United Kingdom
T 01422 315 300 - F 01422 315 310
kayleighcox-nowak@bond-it.co.uk - www.bond-it.co.uk

1.4. Emergency telephone number
Emergency number: 01422 315 300
8.30AM - 5.30PM Mon-Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin corrosion/irritation, Category 1: H314
Serious eye damage/eye irritation, Category 1: H318
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects
Causes severe skin burns and eye damage. Causes serious eye damage.

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP):
GHS05

Signal word (CLP): Danger
Hazardous ingredients: potassium hydroxide; caustic potash
Hazard statements (CLP): H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP):
P280 - Wear protective clothing, eye protection, face protection, protective gloves.
P303+P361+P333+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a doctor.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label).
EUH-statements: EUH208 - Contains Pine Oil(8002-09-3). May produce an allergic reaction.

2.3. Other hazards
No additional information available

SECTION 3: Composition/information on ingredients
3.1. Substances
Not applicable
3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>potassium hydroxide; caustic potash</td>
<td>(CAS-No.) 1310-58-3 (EC-No.) 215-181-3 (EC Index-No.) 019-002-00-8</td>
<td>&gt;=1 - &lt;10</td>
<td>Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314</td>
</tr>
<tr>
<td>Pine Oil</td>
<td>(CAS-No.) 8002-09-3 (EC-No.) 692-006-0</td>
<td>&lt; 1</td>
<td>Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

**Specific concentration limits:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>potassium hydroxide; caustic potash</td>
<td>(CAS-No.) 1310-58-3 (EC-No.) 215-181-3 (EC Index-No.) 019-002-00-8</td>
<td>( 0.5 &lt;= C &lt; 2) Skin Irrit. 2, H315 ( 0.5 &lt;= C &lt; 2) Eye Irrit. 2, H319 ( 2 &lt;= C &lt; 5) Skin Corr. 1B, H314 ( 5 &lt;= C &lt;= 100) Skin Corr. 1A, H314</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**First-aid measures general:** Call a physician 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. Take off immediately all contaminated clothing. Call a physician immediately.

**First-aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

**First-aid measures after ingestion:** Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

**Symptoms/effects after skin contact:** Burns.

**Symptoms/effects after eye contact:** Serious damage to eyes.

**Symptoms/effects after ingestion:** Burns.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:** Water spray. Dry powder. Foam. Carbon dioxide.

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

**Hazardous decomposition products in case of fire:** Toxic fumes may be released.

#### 5.3. Advice for firefighters

**Protection during firefighting:** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### 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. Avoid contact with skin and eyes. Do not breathe fume, mist, spray, vapours.

##### 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”.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

**Methods for cleaning up:** Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Then wash with plenty of water. This material and its container must be disposed of in a safe way, and as per local legislation.

**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. Avoid contact with skin and eyes. Do not breathe fume, mist, spray, vapours. Wear personal protective equipment.
Hygiene measures: Wash contaminated clothing before reuse. 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 a well-ventilated place. Keep cool.

7.3. Specific end use(s)
Building and construction work.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Integral Water Resistant Plasticiser
United Kingdom - Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Local name</th>
<th>Potassium hydroxide</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL TWA (mg/m³)</td>
<td>566 mg/m³</td>
</tr>
<tr>
<td>WEL TWA (ppm)</td>
<td>100 ppm</td>
</tr>
<tr>
<td>WEL STEL (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>WEL STEL (ppm)</td>
<td>150 ppm</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls:
Ensure good ventilation of the work station.

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

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Various.</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>12 - 14</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
**Integral Water Resistant Plasticiser**

**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

12/19/2019 (Version: 1.0)

EN (English)

---

### Vapour pressure
No data available

### Relative vapour density at 20 °C
No data available

### Relative density
No data available

### Density
≈ 1 g/cm³

### Solubility
No data available

### Log Pow
No data available

### Viscosity, kinematic
No data available

### Viscosity, dynamic
No data available

### Explosive properties
No data available

### Oxidising properties
No data available

### Explosive limits
No data available

**9.2. Other information**

No additional information available

---

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**
The product is non-reactive under normal conditions of use, storage and transport.

**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**

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**Pine Oil (8002-09-3)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 3200 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**
Causes severe skin burns and eye damage.

**pH:** 12 - 14

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

**pH:** 12 - 14

**Respiratory or skin sensitisation**
Not classified

**Germ cell mutagenicity**
Not classified

**Carcinogenicity**
Not classified

**Reproductive toxicity**
Not classified

**STOT-single exposure**
Not classified

**STOT-repeated exposure**
Not classified

**Aspiration hazard**
Not classified

---

**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecology - general: Before neutralisation, the product may represent a danger to aquatic organisms.

**Hazardous to the aquatic environment, short-term (acute)**: Not classified

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

---

**12.2. Persistence and degradability**
No additional information available

**12.3. Bioaccumulative potential**
No additional information available
12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

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

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 1814</td>
<td>UN 1814</td>
<td>UN 1814</td>
<td>UN 1814</td>
<td>UN 1814</td>
</tr>
</tbody>
</table>

14.2. UN proper shipping name

POTASSIUM HYDROXIDE SOLUTION

Transport document description

UN 1814 POTASSIUM HYDROXIDE SOLUTION, 8, III, (E)

14.3. Transport hazard class(es)

8

14.4. Packing group

III

14.5. Environmental hazards

Dangerous for the environment: No
Marine pollutant: No

14.6. Special precautions for user

Overland transport
Classification code (ADR): C5
Limited quantities (ADR): 5I
Excepted quantities (ADR): E1
Packing instructions (ADR): P001, IBC03, LP01, R001
Mixed packing provisions (ADR): MP19
Portable tank and bulk container instructions (ADR): T4
Portable tank and bulk container special provisions (ADR): TP1
Tank code (ADR): L4BN
Vehicle for tank carriage: AT
Transport category (ADR): 3
Special provisions for carriage - Packages (ADR): V12
Hazard identification number (Kemler No.): 80
Integral Water Resistant Plasticiser
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Orange plates: 80 1814

Tunnel restriction code (ADR): E
EAC code: 2R

Transport by sea
Special provisions (IMDG): 223
Packing instructions (IMDG): P001, LP01
IBC packing instructions (IMDG): IBC03
Tank instructions (IMDG): T4
Tank special provisions (IMDG): TP1
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-B
Stowage category (IMDG): A
Segregation (IMDG): SG35

Air transport
PCA Excepted quantities (IATA): E1
PCA Limited quantities (IATA): Y841
PCA limited quantity max net quantity (IATA): 1L
PCA packing instructions (IATA): 852
PCA max net quantity (IATA): 5L
CAO packing instructions (IATA): 856
CAO max net quantity (IATA): 60L
Special provisions (IATA): A3, A803
ERG code (IATA): 8L

Inland waterway transport
Classification code (ADN): C5
Limited quantities (ADN): 5 L
Excepted quantities (ADN): E1
Carriage permitted (ADN): T
Equipment required (ADN): PP, EP
Number of blue cones/lights (ADN): 0

Rail transport
Classification code (RID): C5
Limited quantities (RID): 5L
Excepted quantities (RID): E1
Packing instructions (RID): P001, IBC03, LP01, R001
Mixed packing provisions (RID): MP19
Portable tank and bulk container instructions (RID): T4
Portable tank and bulk container special provisions (RID): TP1
Tank codes for RID tanks (RID): L4BN
Special provisions for RID tanks (RID): TU42
Transport category (RID): 3
Special provisions for carriage – Packages (RID): W12
Colis express (express parcels) (RID): CE8
Hazard identification number (RID): 80

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Integral Water Resistant Plasticiser
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

12/19/2019 (Version: 1.0) EN (English) 7/7

Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

<table>
<thead>
<tr>
<th>Full text of H- and EUH-statements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Oral)</td>
</tr>
<tr>
<td>Acute toxicity (oral), Category 4</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
</tr>
<tr>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
</tr>
<tr>
<td>Aspiration hazard, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
</tr>
<tr>
<td>Flammable liquids, Category 3</td>
</tr>
<tr>
<td>Skin Corr. 1A</td>
</tr>
<tr>
<td>Skin corrosion/irritation, Category 1A</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
</tr>
<tr>
<td>Skin corrosion/irritation, Category 1B</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
</tr>
<tr>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
</tr>
<tr>
<td>Skin sensitisation, Category 1</td>
</tr>
<tr>
<td>H226</td>
</tr>
<tr>
<td>Flammable liquid and vapour.</td>
</tr>
<tr>
<td>H302</td>
</tr>
<tr>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H304</td>
</tr>
<tr>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>H314</td>
</tr>
<tr>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315</td>
</tr>
<tr>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H317</td>
</tr>
<tr>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H318</td>
</tr>
<tr>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H319</td>
</tr>
<tr>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H411</td>
</tr>
<tr>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>EUH208</td>
</tr>
<tr>
<td>Contains Pine Oil(8002-09-3). May produce an allergic reaction.</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II)
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.