1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: Impregnant

1.2 Relevant identified uses of the substance or mixture and uses advised against: Impregnation foundation, preventive protection from wood pest
Biocidal product

1.3 Details of the supplier of the safety data sheet:
belinka belles, d.o.o.
Ljubljana, Zasavska cesta 95
1231 Ljubljana - Črnuče
Slovenia
Phone: +386 1 5886 299
Fax: +386 1 5886 303
e-mail: belles@belinka.si
http://www.belinka.si/

1.4 Emergency telephone number: National Chemical Emergency Centre.

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:
Aquatic tox, acute and chronic, category 1
EUH208

2.2. Label elements:

Pictograms:

Signal word: Danger.

H sentences:
H410 Very toxic to aquatic life with long lasting effects.
EUH208 Contains 3-jodo-2-propinil butilkarbamat, propikonazol and permethrin(ISO). May produce an allergic reaction.

P sentences:
P102 Keep out of reach of children.
P273 Avoid release to the environment.
P262 Do not get in eyes, on skin, or on clothing.
P501 Dispose of contents/container to authorized disposal organisation.

2.3. Other hazards: None identified.
3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture:
Hazardous Components:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>% wt.</th>
<th>Identificators</th>
<th>Classification</th>
<th>H sentences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propikonazol (ISO)</td>
<td>&lt; 1</td>
<td>CAS: 60207-90-1</td>
<td>Acute Tox. 4</td>
<td>H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC: 262-104-4</td>
<td>Skin Sens. 1</td>
<td>H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Index: 613-205-00-0</td>
<td>Aquatic Acute 1</td>
<td>H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1</td>
<td>H410</td>
</tr>
<tr>
<td>3-Iodo-2-propynyl butylcarbamate</td>
<td>&lt; 1</td>
<td>CAS: 55406-53-6</td>
<td>Acute Tox. 4 Acute</td>
<td>H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC: 259-627-5</td>
<td>Tox. 4</td>
<td>H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1</td>
<td>H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1</td>
<td>H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3</td>
<td>H335</td>
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<td></td>
<td>Aquatic Acute 1</td>
<td>H400</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1</td>
<td>H410</td>
</tr>
<tr>
<td>Permethrin (ISO)</td>
<td>&lt; 0.25</td>
<td>CAS: 52645-53-1</td>
<td>Acute Tox. 4</td>
<td>H332</td>
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<tr>
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<td>EC: 258-067-9</td>
<td>Acute Tox. 4</td>
<td>H302</td>
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<td></td>
<td>Index: 613-058-00-2</td>
<td>Skin Sens. 1</td>
<td>H317</td>
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<td>Aquatic Acute 1</td>
<td>H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1</td>
<td>H410</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>&lt; 5%</td>
<td>CAS: 34590-94-8</td>
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<td>-</td>
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<tr>
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<td></td>
<td>EC: 252-104-2</td>
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<td></td>
<td>REACH: 01-2119450011-60</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1. Description of first aid measures:
- Inhalation: Remove patient to the fresh air, keep warm and at rest. Obtain medical attention if ill effects occur.
- Ingestion: Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Loosen tight clothing.
- Skin Contact: Remove contaminated clothing. Wash off with plenty of soap and water. If symptoms develop, obtain medical attention. Wash clothing before reuse.
- Eye Contact: Rinse eyes thoroughly with plenty of water, holding the eyelids apart for at least 10 minutes. Obtain medical attention if ill effects occur.

4.2. Most important symptoms and effects, both acute and delayed: See section 11.

4.3. Indication of any immediate medical attention and special treatment needed: No data available.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media: Not classed as flammable. In case of fire, use water spray (fog), foam, dry chemical or CO₂.

5.2. Special hazards arising from the substance or mixture: Hazard combustion gases: CO, CO₂.

5.3. Advice for firefighters: Water may be used to cool closed containers to prevent pressure build-up. Wear full protective clothing and self-containing breathing apparatus. This material is very toxic to aquatic organisms.
6. ACCIDENTAL RELEASE MEASURES


6.2. Environmental precautions: Prevent contamination of soil, drains and surfaces water. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

6.3. Methods and material for containment and cleaning up: Absorb spillages in sand, earth or any suitable absorbent material. Transfer to a labelled, sealable container for safe disposal.

6.4. Reference to other sections: See sections 8 and 13 for additional information.

7. HANDLING AND STORAGE:

7.1. Precautions for safe handling: Avoid contact with skin and eyes. Use only in well ventilated areas. Do not eat, drink or smoke at the workplace. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities: Keep away from food and drink. Store in the original container tightly closed in a cool and well ventilated place. Store between 5 oC and 30 oC. Keep away from frost.

7.3. Specific end use(s): Biocid.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters: Dipropylene glycol monomethyl ether: 308 mg/m3 (50 ppm) – 8 ur; KTV: -

8.2. Exposure controls:

   - Higiene measures: Remove and wash contaminated clothing before re-use. Wash hands with soap and water. When using, do not eat, drink or smoke.
   - Respiratory protection: Adequate ventilation or respiratory protection.
   - Hand protection: Protective gloves (nitrile rubber or neoprene rubber gloves).
   - Skin protection: Protective work clothing.
   - Eye protection: Safety glasses with side-shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Appearance:</td>
<td>Milky liquid, white to yellowish</td>
</tr>
<tr>
<td>Odour:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Flash point:</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature:</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion limit in air:</td>
<td>Not available</td>
</tr>
<tr>
<td>Density:</td>
<td>1,01 g/cm³</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>Miscible in water</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity-dinamic:</td>
<td>&lt; 2 mPas</td>
</tr>
<tr>
<td>pH:</td>
<td>Not available</td>
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</tbody>
</table>

9.2. Other information: -
10. STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical stability: Stable under normal conditions of use.

10.3. Possibility of hazardous reactions: No data available.

10.4. Conditions to avoid: Avoid release to the environment.

10.5. Incompatible materials: No data available.

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

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

   Acute oral toxicity: No data available for product.
   Ingestion: May cause irritation of the digestive tract, nausea and vomiting.
   LD-50, Dipropilenglikol moometil eter (rat): > 5000 mg/kg (OECD 401)
   LD-50, 3-jodo-2-propiniibutilkarbamat (rat): 300-500 mg/kg
   LD-50, Propikonazoll (rat): 1517 mg/kg
   LD-50, Permetrin (rat): 480 mg/kg

   Inhalation: Symptoms are not known.
   LC-50, Dipropilenglikol moometil eter (rat): 275 ppm 7 ur mg/kg (OECD 403)
   LC-50, proikonazol (rat,4h): >5300 mg/l
   LC-50, Permetrin (rat, 4h): >23,5 mg/l

   Skin Irritation: After prolonged and repeated contact may cause irritation.
   LD-50, Dipropilenglikol moometil eter (rat-males): 9510 mg/kg (OECD 402)
   LD-50, Propikonazoll(rat): >4000 mg/kg
   LD-50, 3-iody-2-propynyl butylkarbamate (rat): >2000 mg/kg
   LD-50, Permetrin (rabbit): > 2000 mg/kg

   Eye Irritation: Skin corrosion/irritation: There is no information about such reactions.

   Serious eye damage/irritation: Direct contact with the eyes can cause irritation.

   Respiratory or skin sensitisation: Potential dermal allergic reaction to certain ingredients.

   Germ cell mutagenicity: There is no information about such reactions.

   Carcinogenicity: There is no information about such reactions.

   Reproductive toxicity: There is no information about such reactions.

   STOT-single exposure: There is no information about such reactions.

   STOT-repeated exposure: There is no information about such reactions.

12. ECOLOGICAL INFORMATION

12.1. Toxicity:

   Acute Toxicity:
   Dipropylene glycol monomethyl ether:
   EC 50, algen-Selenastrum Capricornutu: > 969 mg/l, 96 h, OECD 201
   EC 50, Daphnia Magna: 1919 mg/l, 48 h,OECD 202
   EC 50, fish_Poecilia reticulate: > 1000 mg/l, 96 h, OECD 203
   NOEC, chronic, algen-Selenastrum Capricornutum: > 969 mg/l, 96 h, OECD 201
Propikonazol (ISO)
EC 50, Daphnia Magna: 10,2 mg/l, 48 h, OECD 202
EC 50, alge-Pseudokirchnerella subcapitata: 50,9 mg/l, 72 h, OECD 201
EC 50, Crustaceans-Mysis baha: 0,51 mg/l , 96 h
LC 50, fish-Onchorhynhus mykiss: 4,3 mg/l , 96 h, OECD 203

3-ido-2-propynyl butylcarbamate:
EC50 daphnia magna, 48 h: 0,21 mg/l
EC50 active sludge bacterien, 3h: 44 mg/l
IC50 algen-desmodesmus subspicatus, 72 h: 0,026 mg/l
LC50 fish-Mysidopsis bahia: 0,43 mg/l

Permetrin:
EC50, daphnia magna, 48 h: 0,00127 mg/l
IC50 algen-Pseudokirchneriella subcapitata, 72 h: >1,13 mg/l
LC50 fish-onchorhynhus mykisis, 96 h: 0,0051 mg/l

12.2. Persistence and degradability:
3-ido-2-propynyl butylcarbamate: biodegradability
Permetrin: hardly biodegradability

12.3. Bioaccumulative potential:
3-ido-2-propynyl butylcarbamate: LogPow: 2,8 BCF: - low
Permetrin: LogPow: 6,1 BCF: 570 high
Propikonazol: LogPow: 3,72 BCF: - low

12.4. Mobility in soil: Not determined.

12.5. Results of PBT and vPvB assessment: Not Available.

12.6. Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
All disposal practices must be in accordance with local, regional, national and international regulations.
Dispose of packaging or containers in accordance with local, regional, national and international regulations.

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>14.1. UN number</th>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
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<table>
<thead>
<tr>
<th>14.2. UN proper shipping name</th>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
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</thead>
<tbody>
<tr>
<td>Environmentally hazardous substance, liquid, n.o.s. (permethrin)</td>
<td>Environmentally hazardous substance, liquid, n.o.s. (permethrin)</td>
<td>Environmentally hazardous substance, liquid, n.o.s. (permethrin)</td>
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<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
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<th>IATA</th>
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<thead>
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<th>14.5. Environmental hazards</th>
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<td>F-A, S-F</td>
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<table>
<thead>
<tr>
<th>14.6. Special precautions for users</th>
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</table>

<table>
<thead>
<tr>
<th>14.7. Transport in bulk according to Annex II of Marpol 73/78 and the IBC</th>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
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</thead>
<tbody>
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<td></td>
</tr>
</tbody>
</table>
15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
   1. Directive 1999/45/ES with all amendments
   2. Directive 67/548/EGS with all amendments
   3. Regulation (ES) 1907/2006 (REACH)
   4. Regulation (ES) 1272/2008 (CLP)
   5. Regulation (ES) 790/2009 (I Atp. CLP)
   6. Regulation (ES) 453/2010

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

16. OTHER INFORMATION

This Information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

Full text of the H-phrases given in Section 3:

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
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.

Sources of key data: Safety data sheet of ingredients available through the manufacturer.