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**MATERIAL SAFETY DATA SHEET**  
**GLUEBOARDS & GLUE TRAPS (Italian Origin)**



**SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**1.1 Product identification:** GB001, GB002, GB003, INL170, INF212, INF309, INL128, INF060, INF061, INF091, GB005, GB011, GB012, GB013, GB015, ECOTRAP300, ECOTRAP-CAR, ECOTRAP-DEPEC, SXGLUEINNCL, SXPADS, SXROACH10, SXROACH-SUNET, SXUNIGLUE, MITIE09, PROCTERCLOTHSPADS, SXDETEC, SXDETEC-PEL, SXGLUEINNBK, GLUETUBE, GLUERAT

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

**Identified and proper uses:** mixture of substance for the manufacturing of adhesive traps for crawling insects.

**Uses against:** all those nor mentioned in the identified uses.

**1.3 Details of the Supplier of the safety data sheet:**

Pelsis Ltd  
Sterling House  
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**1.4 Emergency telephone number:**

**National Poisons Information Service-NHS 111 Service**  
**Tel: 111 (available 24h/day, 365 days / year)**

**SECTION 2. HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture:**

The product is not classified according to the Regulation (EC) n.1272/2008 (CLP: classification, labelling and packaging of substances and mixes).

**2.2. Label elements:**

It does not contain elements classified as dangerous, in normal conditions.

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:** Void (EUH210 – safety data sheet on request).

**Precautionary statements:** Void

**2.3. Other hazards:**

The product contains elements which are considered both bioaccumulative and toxic (PBT), and very persistent and very bioaccumulative (vPvB), basing on the provisions in Annex XIII of REACH Regulation, in a percentage upper to the 0,1%. Substance: 2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol.

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

**3.1. Substances:** not applicable

**3.2. Mixtures:**

It contains:

**Identification.****2-(2H-benzotriazol-2-il)-4,6-ditertpentylphenol**

CAS. 25973-55-1

CE. 247-384-8

INDEX. -

Nr. Reg. -

**Conc. %.**

0,5 - 1

**Classification****1272/2008 (CLP).**

STOT RE 2 H373, Aquatic Chronic 4 H413

The whole text of the H statement is indicated in Section 16 of the present MSDS.

**SECTION 4. FIRST AID MEASURES****4.1. Description of first aid measures:**

Damages to people using the product are not known, nevertheless, consider the following rules:

**EYES:** Eliminate eventual contact lenses. Rinse immediately with plenty of water, and well open the eyelids. Consult a doctor in case the problem persists.

**SKIN:** Remove the contaminated clothes and wash them before the following use. Rinse immediately with plenty of water. If irritation persists, seek medical treatment.

**INHALATION:** Supply to fresh air. Consult a doctor in case of symptoms.

**INGESTION:** Seek immediately for medical treatment. Don not induce vomiting. Do not administer substances by mouth if the person is not conscious, if not authorized by a doctor.

**FIRST AID MEASURES:** please, consider Section 8.2 of the present MSDS.

**4.2. Most important symptoms and effects, both acute and delayed:** Consider Section 11.

**4.3. Indication of any immediate medical attention and special treatment needed**  
no data available.

**SECTION 5. FIRE FIGHTING MEASURES****5.1. Extinguishing media:**

**Suitable extinguishing media:** water and powder spray, foam, CO<sup>2</sup>.

**Not suitable media:** none.

**5.2. Particular hazards arising from the substance or mixture**

Do not inhale combustion products::toxic fumes may be released.

**5.3. Advice for fire-fighters****GENERAL INFORMATION**

Cool the containers with water jets, in order to avoid the product decomposition and the development of substances dangerous for health. Wear specific clothes for the fight against fire. The contaminated waters must not be poured into drains. Waste them according to the current regulations.

**EQUIPMENT**

Normal clothes for the fight against fire, with a self-contained open-circuit compressed air breathing apparatus (EN137),

complete with anti-flame device (EN469), anti-flame gloves (EN659) and boots for firemen (HO A29 or A30).

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Do not inhale vapours/dusts/gases. Wear proper protective clothes (included those mentioned at point 8) to avoid skin, eyes and personal clothes contaminations. These information are valid both for workers and for emergency interventions.

### 6.2. Environmental precautions

Do not disperse into drains, into surface and ground waters.

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

Use mechanical instruments to collect the spilled material and introduce it into containers for its recycling or waste. Eliminate the residual product with water jets, in case there are no contra-indications. Ensure a good ventilation of the place. Check the eventual incompatibilities of the material used for the containers in section 7. The contaminated material waste must be made according to point 13.

### 6.4. References and other sections: see sections 8 and 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling: Use the product after consulting this sheet. Avoid the product waste in the environment.

During work do not eat, drink or smoke. Wash your hands before breaks and at the end of shift. Avoid fire ignition or fires. Wear gloves and glasses in ventilated rooms.

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

Keep the product inside original and clearly labelled containers. Ensure a good ventilation/suction. Protect it from hot and sun. Store in a clean and dry room, at a temperature between +5°C and +30°C and far from oxidizing agents.

### 7.3. Specific end use(s):

No different uses considering what indicated at section 1.2.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters:

Not available information.

### 8.2. Exposure controls:

Considering that the use of proper technical measures must have priority on protective personal equipments, ensure a good ventilation in the working area through an effective local aspiration.

#### HAND PROTECTION

In case of a prolonged contact with the product, we suggest to protect the hands with gloves which are resistant to penetration (ref. Regulation EN 374).

For the choice of the gloves material, it is necessary to consider the process of the product use and the eventual derived products. We remind that the gloves made of latex can lead to sensitisation cases.

#### SKIN PROTECTION

Wear working clothes with long sleeves and safety shoes for professional use of I category (ref. Directive 89/686/EC and Reg. EN ISO 20344). Wash with water and soap after removing protecting clothes.

#### EYES PROTECTION

Wear protective glasses (ref. Reg. EN 166).

#### BREATHING PROTECTION

Not necessary, unless otherwise specified.

#### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions deriving from the producing processes, included those coming from the ventilation equipment, should be controlled for the respect of the regulations on the environmental protection.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

|   |  |
|---|--|
| Appearance                              | Solid.   |
| Colour                                  | Transparent with eventual portion or red strip..                             |
| Odour                                   | Slight odour of glue, or liquorice characteristic for the flavoured mixture. |
| Odour threshold.                        | Not available.   |
| pH.                                     | Not available.   |
| Melting and freezing points.            | Not available .  |
| Initial boiling point.                  | Not available.   |
| Boiling range.                          | Not available .  |
| Flammability point.                     | >200°C   |
| Evaporation rate                        | Not available.   |
| Solids and gases flammability           | Not applicable according to the physical state.                              |
| Lower flammability limit.               | 1 % (V/V).   |
| Upper flammability limit.               | 10 % (V/V).  |
| Lower explosivity limit.                | Not available.   |
| Upper explosivity limit.                | Not available.   |
| Vapour pressure.                        | Not available .  |
| Vapour density                          | Not available.   |
| Relative density.                       | Not available.   |
| Solubility                              | Not soluble in water.  |
| Partition coefficient: n-octanol/water: | Not available.   |
| Auto-ignition temperature.              | Not available.   |
| Decomposition temperature.              | Not available.   |
| Viscosity.                              | Not available.   |
| Explosive properties                    | Not applicable according to the chemical nature of the product.              |
| Oxidising properties                    | Not applicable according to the chemical nature of the product.              |

**9.2 Other information:** no data available.

### SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** there are no particular hazards with other substances in normal use conditions.
- 10.2. Chemical stability:** stable in standard stocking and use conditions.
- 10.3. Possibility of hazardous reactions:** no data available.
- 10.4. Conditions to avoid:** No one in particular. Care should be taken while using chemical products.
- 10.5 Incompatible materials:** strong oxidant agents.
- 10.6 Hazardous decomposition products:** Dangerous decomposition products are not known.

## SECTION 11. TOXICOLOGICAL INFORMATION

In absence of experimental toxicological data on the product, the eventual dangers of the product for health have been evaluated basing on the substances properties, according to the criteria of the Regulation for the Classification. So, consider the concentration of the single dangerous substances indicated in Section 3 to evaluate the toxicological effects deriving from the exposition to the product.

### 11.1. Information on toxicological effects:

Basing on the actual knowledge, if the product is handled correctly and used according to the instructions, there are not known hazardous effects for human health.

#### Acute toxicity:

**Oral acute toxicity:** Not available, according to the EC 1272/2008 Regulation.

**Inhalation acute toxicity:** Not available, according to the EC 1272/2008 Regulation.

**Skin acute toxicity:** Not available, according to the EC 1272/2008 Regulation.

**Respiratory tract irritation:** Not irritant if used correctly, according to the EC 1272/2008 Regulation.

**Skin irritation/corrosion:** Not irritant if used correctly, according to the EC 1272/2008 Regulation.

**Eyes irritation/corrosion:** Not available, according to the EC 1272/2008 Regulation.

**Chronic effects:** Not available, according to the EC 1272/2008 Regulation.

#### Data on the dangerous substances inside the mix:

2-(2H-benzotriazol-2-il)-4,6-ditertpentylfenol:

The base for the classification as STOT RE 2 derives from a test of subacute toxicity (49 days) / subchronic (90 days) toxicity, a study made on rats at multiple doses (TNO, 1968, indicated by EPA2).

The oral administration at multiple doses has caused toxicity in different organs, especially the liver. The microscopic examination shows necrosis, a little proliferation of the bile docts epithelials and an enlargement of the parenchymal cells. In the kidney it has been observed a tubular nechrosis, in some of the tested males. Just to summarize, according to the specifications of the Annex XIII, point 1.1.3 (c) of REACH Regulation, the toxicity criteria is satisfied (RAC Committee for Risk Assessment 2013)

## SECTION 12. ECOLOGICAL INFORMATION

Considering that we have no specific data on the mixture, pay attention to the good working practices, avoiding the product dispersion in the environment. Avoid the product waste in the ground or in water courses. Contact the Authorities if the product reaches water courses or if it has contaminated the ground. Take the measures to reduce the effects on the groundwater.

### 12.1. Toxicity.

2-(2H-benzotriazol-2-il)-4,6-ditertpentylfenol

|                            |   |
|----------------------------|---|
| LC50 - Fishes.             | > 100 mg/l/96h Danio rerio (OECD Guideline 203)   |
| EC50 - Crustaceans.        | > 10 mg/l/48h Daphnia pulex (OECD Guideline 202)  |
| EC50 - Algae /water plants | >10 mg/l/72 h Desmodesmus subspicatus (similar or equivalent method to OECD guideline 201)  |
| NOEC - Algae/Water plants  | < 0,1 mg/l/72h Desmodesmus subspicatus (similar or equivalent method to OECD guideline 201) |

### 12.2. Persistence and degradability.

2-(2H-benzotriazol-2-il)-4,6-ditertpentylfenol: After 28 days the residue concentration led to a rate of degradation in the

samples between 2 (initial concentration of the substance: 20 mg / L) and 8 % (initial concentration of the substance: 10 mg / L).

So, the substance is not easily biodegradable, according to the OCSE definition (The Phenolic Benzotriazoles Association, 2001). Study made according to the Guide Line OECD 301 B.

2-(2H-benzotriazol-2-il)-4,6-ditertpentylfenol: degradation half-life (DT50) = 197 - 223 days (read-across with similar metabolite (cas 3864-99-1 ) (Lai, 2014))

### 12.3. Bioaccumulation potential.

2-(2H-benzotriazol-2-il)-4,6-ditertpentylfenol: bioconcentration factor (BCF)

1120 - 2780 Conc. 0.784 µg / l (week 8°)

2300 - 5580 Conc. 0.0702 µg / l (week 2° - 8°)

Tested species: *Cyprinus carpio*

The BCF depends on the body and even on the weight of the wet body. In the first phases of the test it is indicated a fat content of 4,2%..

The maximum obtained BCF was of 5580 or 6643 (normalized fat content). The medium BCF at week 8° have been 4590 for fat content of 4,2% and about 5464 for a normalized fat content of 5%.

Equivalent method, or similar, to OECD Guideline 305 C (Bioaccumulation: Test for the Degree of Bioconcentration in Fish)

2-(2H-benzotriazol-2-il)-4,6-ditertpentylfenol

Coefficient of Partition: n-  
octanol/water. > 6,5 a 23°C, pH :6,4 (OECD Guideline 117)

### 12.4. Mobility in soil.

2-(2H-benzotriazol-2-il)-4,6-ditertpentylfenol: strongly absorbed by organic material.

KOC (L/kg): 1.50 10<sup>5</sup>

Log KOC: 5.18

(according to the model EPISuite 4.1 KOWmethod; Q-SAR)

KOC (L/kg): 4.51 10<sup>5</sup>

Log KOC: 5.65

(according to the model EPISuite 4.1 MCImethod; Q-SAR)

Log KOC: 5.46

KOC (L/kg): 2.88 10<sup>5</sup>

(according to the model COSMOtherm; Q-SAR)

### 12.5. Results of the PBT and vPvB evaluation.

The product contains components which are considered persistent, bioaccumulative and toxic (PBT), but even very persistent and very bioaccumulative (vPvB), according to the disposition indicated in Annex XIII of REACH Regulation, in a upper percentage of 0,1%.

Substance: 2-(2H-benzotriazol-2-il)-4,6-ditertpentylfenol.

### 12.6. Other hazardous effects.

Information not available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste disposals:

**Product/packaging (contaminated) waste:** Reuse if possible. The product residuals have to be considered as special wastes,

not as dangerous ones. Their waste must be submitted to a special treatment, according to the current local, national and/or European legislation.

**Waste codes:**

EWC codes are not linked to a particular product but to its origin. For this reason, the producing Company can't provide the waste codes for all those products used in different fields. 08 04 10 Waste adhesives and sealants, different from those indicated at point 08 04 09.

**SECTION 14. TRANSPORT INFORMATION**

**Transportation information:**

**14.1 UN-Number**

RID, ADR, ADN, IMDG, IATA-DGR: Void

**14.2 UN proper shipping name**

RID, ADR, ADN, IMDG, IATA-DGR: Void

**14.3 Transport hazard class(es):**

RID, ADR, ADN, IMDG, IATA-DGR: Void

**14.4 Packing group**

RID, ADR, ADN, IMDG, IATA-DGR: Void

**14.5 Environmental hazards:**

RID, ADR, ADN, IMDG, IATA-DGR: Void

**14.6 Special precautions for user:**

RID, ADR, ADN, IMDG, IATA-DGR: Void

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

**UN "Model Regulation":** -

**SECTION 15. REGULATORY INFORMATION**

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

Seveso Category

None.

Restrictions about the product or the contained substances, according to the Annex XVII to the Regulation (EC) 1907/2006.

None.

Substances in the Candidate List (Art. 59 REACH).

2-(2H-benzotriazol-2-yl)-4,6-ditertpentylfenol

Substances subjected to authorization (Annex XIV REACH).

None.

Substances subjected to export notification obligation Reg. (EC) 649/2012:

None.

Substances subjected to Rotterdam Convention:

None.

Substances subjected to Stockholm Convention:

None;

Sanitary checks.

Not available.

**15.2. Chemical safety assessment:**

An evaluation on the chemical safety assessment for the mixture and the substances has not been made.

**SECTION 16. OTHER INFORMATION**

This information is based on our current level of knowledge and give indications on safety regulations. The user must ensure that suitability and the completeness of the information, according to the specific use of the product. Considering that the use of the product is not under Pelsis's control, the user must respect the Regulations on Health and safety. Pelsis does not take any responsibility for the proper uses. The here mentioned information refers only to the product itself, and can not be valid in the case of future modifications, or if the product is used combined with other materials or in other processes.

This safety data sheet has been completely revised (the changes have not been indicated).