

MATERIAL SAFETY DATA SHEET**LAGUNE****1. PRODUCT AND COMPANY IDENTIFICATION****Product details**

Trade name: Lagune

Product use: Interlocking modular mat for wet areas

Manufacturer: Muovihaka Oy**Address:** Kuusimäentie 12, 01900 Nurmijärvi, Finland**Tel:** + 358 9 290 2220**Fax:** +358 9 250 4807Further information obtainable from: info@muovihaka.com

Information in case of emergency: Tel: + 358 9 290 2220

2. COMPOSITION / INFORMATION ON INGREDIENTS**Chemical characterization****Description:** Product is made of PVC. Nonhazardous additions are listed below.

No	Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	R-List	Classification
1	Zinc p.-tert.-butylbenzoate		225-628-4	4980-54-5	< 0,15 %		R48/23/24/25 - R22
2	Calcium 4-(1,1-dimethylethyl)benzoate		257-981-5	52509-84-9	< 0,15 %		R48/23/24/25 - R22

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

3. HAZARDS IDENTIFICATION**Most important hazards**

Health injuries are not known or expected under normal use. No hazards resulting from material as supplied.

Specific hazards

In the event of fire hydrogen chloride gas may be formed.

Fire and explosion hazard

Product is combustible.

4. FIRST AID MEASURES

Inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products. Victim to lie down in the recovery position, cover and keep him warm. If skin irritation persists, call a physician. Oxygen or artificial respiration if needed.

Skin contact

Cool melted product on skin with plenty of water. Do not remove solidified product. Obtain medical attention.

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion

Do not induce vomiting. Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician. Never give anything by mouth to an unconscious person.

Notes to physician

Symptomatic treatment. Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam, water spray. On small fires use dry chemical, carbon dioxide CO₂, sand, earth.

Special exposure hazards in a fire

In major fire situations toxic and corrosive vapours will be evolved.

Special protective equipment for firefighters

In the event of fire, wear self contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Sweep up or vacuum to prevent slipping hazard.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Safe handling advice

No special requirements.

Storage

Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Do not storage above 80°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection

General hygiene practice. For most conditions, respiratory protection is not needed.

Components with critical value

The product does not contain any relevant quantities of materials with critical values that have to be monitored in normal use or during installation or maintenance.

Breathing equipment

Not required.

Eye protection

Wear safety glasses, when needed.

Hand protection

Protective gloves, when needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	interlocking tile
Odour	slight
Decomposition temperature	starting from >100°C, autoignition temperature > 390°C
Solubility in water	insoluble
Density at 20°C	> 1 g / cm ³

10. STABILITY AND REACTIVITY

Stability

Stable at normal conditions. Temperature above 100°C to avoid.

Materials to avoid

Strong acids and oxidizing agents

Hazardous decomposition products

Hydrogen chloride gas, Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Non-toxic.

Sensitisation

Not a skin sensitizer, no irritant effect on the eye.

Additional toxicological information

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

Information about degradability

Not easily biodegradable.

Aquatic toxicity

Unlikely due to non solubility.

Ecotoxicity

Not regarded as dangerous for the environment.

General notes

Product is not readily degraded by weathering or microorganisms.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Like most thermoplastic plastics the product can be recycled. Can be landfilled or incinerated, when in compliance with local regulations. Where possible recycling is preferred to disposal or incineration. Dispose in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

Designation according to EC guidelines

The product is not subject to identification regulations under EC Directives.

Composition

Zinc p.-tert.-butylbenzoate (< 0,15 %), Calcium 4-(1,1-dimethylethy)benzoate (< 0,15 %)

S-phares

S23 Do not breathe gas/fumes/vapour/spry.

16. OTHER INFORMATION

LIST OF RELEVANT R-PHRASES

Health injuries are not expected under normal use. No hazards resulting from material as supplied.

For reference purpose, the risk phrases are:

Nr.	R-Phrase text
R22	Harmful if swallowed.
R48/23/24/25	In the event of fire, danger of damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. These data shall describe our product referring to questions of safety but no declaration of quality or property.