



SAFETY DATA SHEET (91/155/EC)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

* Product name:
LAMINATE FLOOR SEALER

* Supplier:
LIBERON
Mountfield Ind Est
New Romney
Kent, TN28 8XU
Tel: 0044 (0)1797 367555
Fax: 0044 (0)1797 367575

* Emergency phone number (to be used by the practising doctor):
UK - National Poisons Information Service Phone: 44 / 191 22 5131

2. COMPOSITION/INFORMATION ON INGREDIENTS

* Preparation name:
LAMINATE FLOOR SEALER

* Component(s) contributing to the health hazard:

- butan-1-ol; n-butanol - Id No: 603-004-00-6 - CAS no: 71-36-3 - EC no: 200-751-6
Conc. wt.(%): 0 < C ≤ 1 - Classification: • R 10 • Xn; R 22 • Xi; R 37/38-41 • R 67 •
- triethylamine - Id No: 612-004-00-5 - CAS no: 121-44-8 - EC no: 204-469-4
Conc. wt.(%): 0 < C ≤ 1 - Classification: • F; R 11 • Xn; R 20/21/22 • C; R 35 •
- ethanol; ethyl alcohol - Id No: 603-002-00-5 - CAS no: 64-17-5 - EC no: 200-578-6
Conc. wt.(%): 0 < C ≤ 1 - Classification: • F; R 11 •
- 2-butoxyethanol; ethylene glycol monobutyl ether - Id No: 603-014-00-0 - CAS no: 111-76-2 - EC no: 203-905-0
Conc. wt.(%): 0 < C ≤ 1 - Classification: • Xn; R20/21/22•Xi; R36/38•
- ethanediol; ethylene glycol - Id No: 603-027-00-1 - CAS no: 107-21-1 - EC no: 203-473-3
Conc. wt.(%): 0 < C ≤ 1 - Classification: • Xn; R 22 •
- N-methyl-2-pyrrolidone - Id No: 606-021-00-7 - CAS no: 872-50-4 - EC no: 212-828-1
Conc. wt.(%): 1 < C ≤ 5 - Classification: • Xi; R 36/38 •

3. HAZARDS IDENTIFICATION

* Most important hazards:

None

* Specific hazards:

None

4. FIRST AID MEASURES

* General advice:

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

For symptom description, see item 11.

* Inhalation:

If unconscious, place in the recovery position and seek medical advice.

* Skin contact:

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner.

Do NOT use solvents or thinners.

* Eye contact:

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

* Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest.

Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

* Suitable extinguishing media:

carbon dioxide (CO₂), powder.

The product itself does not burn.

* Extinguishing media which must NOT be used for safety reasons:

None.

* Specific method(s):

Provision to contain effluent from fire extinguishing.

Cool closed containers exposed to fire with water spray.

* Specific fire hazard(s):

In case of fire, product decomposes in: carbon oxides (CO and CO₂) and smokes.

Concerning product toxicity, see item 11 and about product stability and reactivity see item 10.

* Special protective equipment for fire-fighters:

Use a self-contained breathing apparatus and also a protective suit.

6. ACCIDENTAL RELEASE MEASURES

* Personal precaution(s):

Evacuate personnel to a safe area.

Remove all sources of ignition.

Be careful to flashback of fire.

Ensure adequate ventilation.

Avoid contact with skin, eyes, or clothing.

Concerning personal protective equipment to use, see item 8.

* Environmental precaution(s):

Stop leak without risks if possible.

Contain spillage.

Do not allow surface water to enter drains and sewers as this will create a potentially explosive hazard. If this occurs inform local authorities immediately.

Do not allow material to contaminate ground water system.

Concerning disposal elimination after cleaning, see item 13.

* Method(s) for cleaning up:

Scoop spilled material, and gather remainder carefully.

Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel).

Shovel into suitable and closed container for disposal.

Dispose as hazardous waste.

7. HANDLING AND STORAGE

* Handling

* - Precaution(s):

Avoid all eyes and skin contact and do not breathe vapour and mist.

Do not eat, drink and do not smoke in areas where product is used.

Shower, eyes shower and water point in proximity.

Wear personal protective equipment (see item 8).

* - Technical condition(s):

Ventilation along floor.

* - Safe handling advice(s):

Opened containers must be carefully closed and kept upright to avoid leakage.

* Storage

* - Precaution(s):

Keep in a well-ventilated room.

* - Technical condition(s):

Not flammable and waterproof underground retention basin.

* - Storage condition(s):

Keep container tightly closed and at a temperature not exceeding (°C): 50 °C

Keep away from sources of ignition - No smoking.

Store away from direct sunlight or other heat sources.

Keep container in a well ventilated place.

* - Separation of incompatible product(s):

Keep away from: strong bases and oxidising compounds.

* - Packaging / tank material:

Made of the same material as the supply container.

* - Unsuitable packaging materials:

Avoid certain plastics which are soluble in the product.
rubbers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

* Engineering measure(s):

Ensure adequate ventilation, especially in confined areas.

* Control parameter(s):

- Exposure limit(s):

- butan-1-ol; n-butanol:VLE ppm = 15 - VLE mg = 45
- triethylamine:VME ppm = 2 - VME mg = 8,4 - VLE ppm = 3 - VLE mg = 12,6
- ethanol; ethyl alcohol:VME ppm = 1000 - VME mg = 1880
- 2-butoxyethanol; ethylene glycol monobutyl ether:VME ppm = 20 - VME mg = 98
- VLE ppm = 50 - VLE mg = 246
- ethanediol; ethylene glycol:VME ppm = 20 - VME mg = 52 - VLE ppm = 40 - VLE mg = 104

* Personal protection equipment:

* - Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment.
(breathing apparatus with filter A Organic Vapour)

* - Hand protection:

Nitrile rubber gloves
Neoprene gloves

* - Skin and body protection:

Solvent-resistant apron and boots
Long sleeved protective clothing

* - Eye protection:

Safety glasses or face shield

* Hygiene measure(s):

Do not eat, drink or smoke during work.
Keep away from food, drink and animal feed.
Keep workplace clean and tidy as much as possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state / form: liquid

Colour: off-white

Odour: acrylic-like

pH: 8 - 8.5

Boiling point/range: Not determined.

Flash point: Not applicable.

Explosion limits: Not applicable.

Relative density (water = 1): 1 - 1.1 g/cm³

Viscosity: Not determined.

Water solubility: completely soluble

Fat solubility: in aqueous solution

Solvent solubility: immiscible

10. STABILITY AND REACTIVITY

* Stability:

Stable in use and storage conditions as recommended in item 7.

* Condition(s) to avoid:

None under normal use.

* Material(s) to avoid:

Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

* Hazardous decomposition products:

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, $NxOy$.

11. TOXICOLOGICAL INFORMATION

* General information(s):

There is no data available on the product itself.
Periodical medical test is recommended to check for any effects from repeated exposure.

* Acute toxicity

* - Inhalation:

No data available.

* - Skin contact:

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

* - Eye contact:

Splashes in the eyes may cause irritation and reversible local damage.

* - Ingestion:

No data available.

12. ECOLOGICAL INFORMATION

* General information(s):

There is no data available on the product itself.
The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

* Environmental toxicity:

Ecological problems are not known or expected under normal use.

13. DISPOSAL CONSIDERATIONS

* Waste / unused products:

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

* Contaminated packaging:

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

14. TRANSPORT INFORMATION

General information(s):

not regulated

UN No. Not applicable.

15. REGULATORY INFORMATION

* Labelling:

According to European directives on classification, packaging and labelling of dangerous substances

EC number:

Not applicable.

Symbol(s):

None according to EC directives.

R-phrase(s):

None according to EC directives.

S-phrase(s):

2 Keep out of the reach of children.

29 Do not empty into drains.

51 Use only in well-ventilated areas.

16. OTHER INFORMATION

* According legislation(s):

This safety data sheet is in compliance with EC directives and adaptations
no.: 91 / 155

* Important remarks:

Information in this safety data sheet is based on actual knowledge in our possession and our experience.

It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users.

No liability will be accepted (except as otherwise provided by law) arising out of the use of information supplied in this data sheet.

* Restrictions:

This information relates to the specific material designated and may not be valid in combination with other product(s).

* History

- First edition date: 20/07/1998

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- Version: 2

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