

SAFETY DATA SHEET

TOUGH DECK CLEAN AND REVIVE

Version: 4-1

Review date: 15/01/2009

91/155/EC (2001/58/EC) - ISO 11014-1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: TOUGH DECK CLEAN AND REVIVE

Uses or/and applications: Cleaner

Product code nr: 652

Supplier: LIBERON Ltd
Mountfield Industrial Estate - NEW ROMNEY
KENT TN28 8XU
UK
Phone: + 44 1797 367 555
Fax: + 44 1797 367 575

Emergency phone number (to be used by the practicing doctor): UK - National Poisons Information Service Phone: 44 / 191 22 5131
B - Centre Antipoisons Tél: 070 / 245.245

2. COMPOSITION / INFORMATION ON INGREDIENTS

Preparation name: TOUGH DECK CLEAN AND REVIVE

Formula: FOVDSM4

Component(s) contributing to the hazard: • DODECYLDIMETHYLBENZYLAMMONIUM CHLORIDE- CAS no: 139-07-1
Conc. wt. (%): 1 < C <= 5 - Symbol(s): C N - R-phrased(s): 21/22-34-50

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.

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): Do not allow run-off from fire fighting to enter drains or water courses.

Specific fire hazard(s): Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.

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Special protective equipment for fire-fighters: Use a self-contained breathing apparatus and also a protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precaution(s): Concerning personal protective equipment to use, see item 8.

Environmental precaution(s): Do not allow to enter drains or water courses.
If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

Method(s) for cleaning up: Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth
Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).
Clean preferably with a detergent - Avoid the use of solvents.

7. HANDLING AND STORAGE

Handling:

- Precaution(s): For personal protection, see Section 8.
Material handling requires no special precaution measures.
- Technical condition(s): No special technical protective measures required.
- Safe handling advice(s): Avoid skin and eye contact. Avoid inhalation of vapour and spray mist.

Storage:

- Precaution(s): Observe the label precautions.
Keep container tightly closed.
- Storage condition(s): Containers which are opened should be properly resealed and kept upright to prevent leakage.
- Separation of incompatible product(s): Store separately from oxidizing agents and strongly alkaline and strongly acidic materials.
- Packaging / tank material: Made of the same material as the supply container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measure(s): Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Control parameter(s):

- Exposure limit(s): Not applicable.

Personal protection equipment:

- Respiratory protection: Not applicable.
- Hand protection: Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.
When skin exposure may occur, advice should be sought from glove suppliers on appropriate types, protective gloves
- Skin and body protection: The personnel should wear protective clothing.
- Eye protection: Eye protection designed to protect against liquid splashes should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information:

- Physical state / form: Liquid

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- Colour: Colourless
- Odour: Acrylic-like

Important health, safety and environmental information:

- PH: 7-7.5
- Boiling point/range: Not determined.
- Flash point: pas de point d'éclair
- Explosion limits: Not applicable.
- Relative density (water = 1): 1-1.05
- Viscosity: Not determined.
- Water solubility: Completely soluble
- Fat solubility: In aqueous solution
- Solvent solubility: Immiscible

10. STABILITY AND REACTIVITY

Stability: Stable under the recommended storage and handling conditions. (See Section 7).

Material(s) to avoid: Keep away from oxidizing 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.

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.
- Eyes 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.

Other adverse effects: None

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. 10

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.

Further Information(s): None

14. TRANSPORT INFORMATION

General information(s): Not regulated

UN N°: Not applicable.

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15. REGULATORY INFORMATION

EC number: Not applicable.

Symbol(s): None according to EC directives.

R-phrases: None according to EC directives.

S-phrases: 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 to legislation(s): This safety data sheet is in compliance with directives and adaptations: 91/155, 67/548, 88/379
2006/8/EC amending Directive 1999/45/EC
2004/73/EC: 29th adaptation of Directive 67/548/EC

Important remarks: As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.
The user is always responsible for ensuring that the requirements of relevant legislation are complied with.
The information contained in this safety data sheet is based on the present state of knowledge and current national legislation it provides guidance on health safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Uses or/and applications: Cleaner

Restrictions: The product should not be used for purposes other than those shown in Section 16 without first referring to the supplier and obtaining written handling instructions.

History:

- First edition date: 09/02/99
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Written by: V33