



SAFETY DATA SHEET (91/155/EC)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

* Product name:

FLOOR CLEANER

* 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:

FLOOR CLEANER

* Component(s) contributing to the health hazard:

1-N-BUTOXY-PROPANOL-2

Conc. (weight %): <7.5% - Symbol(s): Xi - R: 36/38

4-hydroxy-4-methylpentan-2-one; diacetone alcohol

A 1 NR: 603-016-00-1 CAS NR: 123-42-2 EC NR: 204-626-7

Conc. (weight %): >5% - Symbol(s): Xi - R: 36

TLV TWA mg: 238.00000 * TLV TWA ppm: 50.0000

NAPHTHA (PETROLEUM) HYDROTREATED HEAVY

CAS NR: 64742-48-9 EC NR: 265-150-3

Conc. (weight %): >70% - Symbol(s): Xn - R: 10-65-66

BLEND OF TURPENE HYDROCARBONS

CAS NR: 8002-09-3

Conc. (weight %): <2.5% - Symbol(s): Xi - R: 38

3. HAZARDS IDENTIFICATION

* Most important hazards:

Harmful: danger of serious damage to health by prolonged exposure if swallowed

Contains: aliphatic hydrocarbons

* Specific hazards:

Repeated and prolonged exposure may cause skin irritation and dermatitis due to degreasing properties of the product.

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.
For symptom description, see item 11.

* Inhalation:

Take victim to fresh air, in a quiet place, in an half laying position and if necessary take medical advice.
Artificial respiration and/or oxygen if necessary.

* Skin contact:

Wash off with soap and plenty of water.
If skin irritation persists, take medical advice.

* Eye contact:

Rinse immediately and plentifully with water, also under the eyelids, for at least 20 minutes.
If eye irritation persists, take medical advice.

* Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest.
Do NOT induce vomiting.
Rinse mouth, do not drink anything, keep quiet, and go immediately to hospital or to a doctor.

5. FIRE-FIGHTING MEASURES

* Suitable extinguishing media:

dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂), water spray, sand, earth.

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

Do not use water jet.

* Specific method(s):

If area is heavily exposed to fire and if conditions permit, let fire burn itself out because water may increase the area contaminated.

* Specific fire hazard(s):

Vapours are heavier than air and spread above ground.
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):

Ensure adequate ventilation.
Concerning personal protective equipment to use, see item 8.

* Environmental precaution(s):

Stop leak without risks if possible.
Contain spillage.
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.

7. HANDLING AND STORAGE

* Handling

* - Precaution(s):

Smoking, eating and drinking should be prohibited in areas of use.
Shower, eye bath and water point in proximity.
Form with air vapours (heavier than air) which stay on the floor.
Wear personal protective equipment (see item 8).

* - Technical condition(s):

Ventilation along floor.
Maximum handling temperature: 55°C

* - Safe handling advice(s):

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

* Storage

* - Precaution(s):

Store in a place accessible by authorised persons only.

* - Technical condition(s):

Not flammable and waterproof underground retention basin.

* - Storage condition(s):

Keep container tightly closed and at a temperature not exceeding (°C): 55°C
Keep away from sources of ignition - No smoking.
Store away from direct sunlight or other heat sources.
Store 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

* Engineering measure(s):

Ensure adequate ventilation, especially in confined areas.

* Control parameter(s):

* 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
- * - Skin and body protection:
solvent-resistant apron and boots, weak acids
- * - 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: colourless / light yellow
Odour: characteristic
pH: Not applicable.
Boiling point/range: 155°C
Flash point: 38°C
Explosion limits: Not applicable.
Relative density (water = 1): 0.78
Viscosity: Not determined.
Water solubility: No water mixable
Fat solubility: Not applicable.
Solvent solubility: Soluble in hydrocarbons

10. STABILITY AND REACTIVITY

- * Stability:
Stable in use and storage conditions as recommended in item 7.
- * Condition(s) to avoid:
Do not expose at temperatures above 55°C
- * Material(s) to avoid:
Avoid certain plastics which are soluble in the product.
- * Hazardous decomposition products:
Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

11. TOXICOLOGICAL INFORMATION

- * Acute toxicity
- * - Inhalation:
Irritating to the respiratory system, may cause throat pain and cough.
- * - Skin contact:
Components of the product may be absorbed into the body through the skin.
Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis.
- * - Eye contact:
Liquid splashes in the eye may cause irritation. (pain, redness)

* - Ingestion:

May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Susceptible to induce: oedema of the lungs, heavy breathing difficulty,
dizziness.

* Sensitisation:

May cause sensitisation by inhalation.

* Chronic toxicity:

Did not show carcinogenic, teratogenic or mutagenic effects in animal
experiments.

* Specific effect(s):

Use of alcoholic beverages may enhance toxic effects.

12. ECOLOGICAL INFORMATION

* General information(s):

There is no data available on the product itself.

* Persistence and degradability:

Product has only a limited biodegradability in soil and water.

* Bioaccumulation:

None bioaccumulation.

* Environmental toxicity:

May be dangerous for environment.

13. DISPOSAL CONSIDERATIONS

* Waste / unused products:

Collect all waste in suitable and labelled containers and dispose according
to local legislation.

Can be recycled.

Do not dispose of waste into sewer.

Can be incinerated according to local regulations.

* Contaminated packaging:

Do not burn, or use a cutting torch on the empty drum.

14. TRANSPORT INFORMATION

General information(s):

Transport followed ADR, IMDG, IATA

UN No. 1263

Land (Road / Railway: ADR/RID)

- item and letter: 3.31c

Sea (IMDG)

- IMO class: 3.3

15. REGULATORY INFORMATION

* Labelling:

According to European directives on classification, packaging and labelling
of dangerous substances 67/548/ EC. Using the calculation method 88/379/ EC.

* EC number: Not applicable.

Symbol(s): Xn - Harmful

R-phrase(s):

R : 10

Flammable.

R : 65

Harmful: may cause lung damage if swallowed.

R : 66

Repeated exposure may cause skin dryness or cracking

S-phrase(s):

S : 2

Keep out of the reach of children.

S : 29

Do not empty into drains.

S : 51

Use only in well-ventilated areas.

S : 62

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

* According legislation(s):

This safety data sheet is in compliance with EC directives and adaptations no.: 91/155, 67/548, and 88/379

* 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: 18 juin 1998

- Review date: 21/05/2002

- Version: 2

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