

SAFETY DATA SHEET

HONING OIL

Version: 5 -1

Review date: 20/03/07

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

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

Product name: HONING OIL

Uses or/and applications: wood care

Product code nr: 170

Supplier: Liberon Ltd
Mountfield Industrial Estate
NEW ROMNEY KENT TN28 8XU.

Phone: +44 1797 367555
Fax: +44 1797 367575
E-mail: info.uk@v33.com

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

2. HAZARDS IDENTIFICATION

Most important hazards: Flammable.
Irritating to eyes.
Harmful: may cause lung damage if swallowed.
Repeated exposure may cause skin dryness or cracking

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Formula: FOLCI05

Component(s) contributing to the hazard:

- 1 N-BUTOXY-PROPANOL-2 Conc. wt.(%): 5 < C <= 10
Symbol(s): Xi - R-phrased(s): 36/38
- NAPHTA HYDROTRAITE PT EBU BAS - CAS no: *64742-48-9
Conc. wt.(%): 80 < C <= 90 - Symbol(s): Xn - R-phrased(s): 10-65-66
- 4-hydroxy-4-methylpentan-2-one; diacetone alcohol - Id No: 603-016-00-1
CAS no: 123-42-2- EC no: 204-626-7 Conc. wt.(%): 5 < C <= 10
Classification: • Xi; R 36 •
- HUILE DE PIN 90 % - CAS no: 94266-48-5
Conc. wt.(%): 1 < C <= 5 - Symbol(s): Xi - R-phrased(s): 38

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.

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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 firefighters: 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.
Dike and contain spill.
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 is prohibited in areas of storage and use.
Shower, eyes shower and water point in proximity.
Form with air vapours (heavier than air) who 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 product.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|--------------------------------|---|
| Engineering measure(s): | Ensure adequate ventilation, especially in confined areas. |
| Control parameter(s): | |
| - Exposure limit(s): | • 4-hydroxy-4-methylpentan-2-one; diacetone alcohol:VME ppm = 50 VME mg/m ³ = 238 |
| Personal protection equipment: | |
| - Respiratory protection: | In case of insufficient ventilation wear suitable respiratory equipment. (breathing apparatus with filter A) |
| - 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

| | |
|--------------------------|---------------------------|
| General information | |
| - Physical state / form: | liquid |
| - Colour: | colourless / light yellow |
| - Odour: | characteristic |

| | |
|---|-------------------------|
| Important health,safety and environmental information | |
| - PH: | Not applicable. |
| - Boiling point/range: | Not determined. |
| - Flash point: | 38°C |
| - Explosion limits: | Not applicable. |
| - Relative density (water = 1): | 0.7-0.8 |
| - Viscosity: | 5*10-6 m2/s |
| - 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 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. |
| - Eyes 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. |
| Chronic toxicity: | Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments. |
| Specific effect(s): | Use of alcoholic beverages may enhance toxic effects. |

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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.

Other adverse effects

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

Further Information(s):

14. TRANSPORT INFORMATION

General information(s): Transport followed ADR, IMDG, IATA

UN N°: 1263

Land (Road / Railway: ADR/RID)

- Class: 3

- Verpakkingsgroep: III

Sea (IMDG)

- Class: 3

Air (ICAO/IATA)

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.

Contains: • NAPHTA HYDROTRAITE PT EBU BAS

Symbol(s): Xn - Harmful

R-phrase(s): 10 Flammable.
36 Irritating to eyes.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking

S-phrase(s): 2 Keep out of the reach of children.
29 Do not empty into drains.
51 Use only in well-ventilated areas.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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16. OTHER INFORMATION

| | |
|------------------------------|--|
| Accordinging legislation(s): | This safety data sheet is in compliance with directives and adaptings: 91/155, 67/548, 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. |
| Uses or/and applications: | wood care |
| Restrictions: | This information relates to the specific material designated and may not be valid in combination with other product(s). |
| History | |
| - First edition date: | 18/06/98 |
| - Previous revision date: | 21/02/06 |
| - Review date: | 20/03/07 |
| - Version: | 5-1 |
| - Review chapter(s) n°: | 1/16 |
| Written by: | V33 |