

# MATERIAL SAFETY DATA SHEET

4470 BONDEX Decking Oil	Date of issue: 22.06.2005	Revision: 11.03.2008	Printing date: 19.05.2008
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## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product name and/or code:** 4470 BONDEX Decking Oil  
**Intended use:** Wood stain  
**Name, full address and telephone number:** Dyrup A/S, Gladsaxevej 300, DK-2860 Søborg  
 Telephone number : (+45) 39 57 93 00  
**E-mail address:** [productsafety@dyrup.pl](mailto:productsafety@dyrup.pl)

## 2 HAZARDS IDENTIFICATION

Repeated exposure may cause skin dryness or cracking.  
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 Contains tolylfluaniid, cobalt carboxylate and 2-butanonoxim. May produce an allergic reaction.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Substances presenting a health hazard within the meaning of the Chemicals Regulations.**

EINECS-no.	CAS no.	Name	Conc. range %	Classification <small>(for full text of R-phrases see Section 16)</small>
265-150-3	64742-48-9	Naphtha*(petroleum),hydrotreated heavy	45-50	Xn;R65-66
211-986-9	731-27-1	Tolylfluaniid	0,5	T;R23 Xn;R48/20 Xi;R36/37/38 R43 N;R50/53
202-496-6	96-29-7	2-Butanonoxim	<0,5	Xn;R21-Carc3;R40 Xi;R41 R43
270-066-5	68409-81-4	Cobalt carboxylate	<0,25	Xn;R22 Xi;R38 R43 N;R51/53

\* Contains less than 0,1% Benzene

## 4 FIRST AID MEASURES

**General:** In case of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.  
**Inhalation:** Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.  
**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.  
**Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.  
**Ingestion:** If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

## 5 FIRE FIGHTING MEASURES

**Extinguishing media:**  
 recommended: alcohol resistant foam, CO<sub>2</sub>, powder.  
 not to be used: water or water jet.

## 6 ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Do not allow to enter drains or water courses.  
 Clean preferably with a detergent; avoid the use of solvents.  
 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 contact the Environmental Authority.

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## 7 HANDLING AND STORAGE

### Handling:

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. All naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection, see Section 8. Never use pressure to empty: the container is not a pressure vessel. Always keep in the supply container. Regular safe removal of waste materials will minimise risks of spontaneous combustion and other fire hazards.

### Storage:

Store in accordance with the conditions of the regulations concerning Flammable liquids. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep the container tightly closed. Store separately from oxidising agents and away from food, drink and animal feedingstuffs.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Measures:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.

### Recommended Exposure Limits:

Substance	Occupational exposure limits		Notations	
	8 hour. TWA		10 min STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Naphta (45-50%)	25	180		

### Personal Protection:

Respiratory protection: Respiratory protective equipment (Type A, tested according to EN141 or EN405) should be worn if the exposure cannot be controlled to below the occupational exposure limit.

Hand protection: When skin exposure may occur, appropriate gloves (type nitrile rubber, tested according to EN374-3, exposure time >8 hours) should be worn. 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.

Eye protection: Eye protection (tested according to EN 166) should be worn.

Skin protection: After contact with the product, contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Flash point:	62 °C
Viscosity:	> 7x10 <sup>-6</sup> m <sup>2</sup> /s (ISO 3219, 40 °C), > 30 sec (ISO cup 3 mm)
Specific gravity:	20 °C: 0,85-0,95 kg/l
Solid content:	app. 50 %-w/w
Lower explosion limit:	0,6 vol-%
Vapour pressure:	0,5-0,7 mbar (20°C)
Solubility in water:	not soluble
pH :	-

## 10 STABILITY AND REACTIVITY

Stable under normal conditions. In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

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**11 TOXICOLOGICAL INFORMATION**

- Inhalation:** Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
- 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:** May cause lung damage if swallowed. See also inhalation.

**12 ECOLOGICAL INFORMATION**

- Ecotoxicity:** The product contains tolylfluanid, a substance classified as very toxic to aquatic organisms.
- Mobility:** The product is insoluble in water and the solvent will evaporate.
- Degradability:** The product contains tolylfluanid, a substance that may cause long-term adverse effects in the aquatic environment
- Akkumulation:** No data available

**13 DISPOSAL CONSIDERATIONS**

Do not allow into drains or water courses or dispose of where ground waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with the local regulations. EWC-Code 08 01 11.

**14 TRANSPORT INFORMATION**

ADR/RID: -                              UN-no. -                      IMDG: -                      ICAO/IATA: -  
 Not classified as dangerous goods

**15 REGULATORY INFORMATION**

The product is classified and labelled in accordance with the EEC Directives.

Symbol: none

Contains: Naphtha (petroleum), hydrotreated heavy

R-phrases: Repeated exposure may cause skin dryness or cracking (R66).  
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)

S-phrases: Keep out of reach of children (S2).  
 Do not breathe vapour/spray (S23)  
 Avoid contact with skin (S24)  
 Do not empty into drains (S29)  
 If swallowed, seek medical advice immediately and show this container or label (S46)  
 Avoid release to the environment. Refer to special instructions/safety data sheet (S61)

Other labelling: Contains tolylfluanid, cobalt carboxylate and 2-butanonoxim. May produce an allergic reaction. Contaminated rags may be subject to spontaneous combustion under certain conditions.

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**16 OTHER INFORMATION**

The product is recommended for outdoor use only

Text of R-phrases listed in section 2:

Harmful in contact with skin (R21)  
Harmful if swallowed (R22)  
Toxic by inhalation (R23)  
Irritating to eyes, respiratory system and skin (R36/37/38)  
Irritating to skin (R38)  
Limited evidence of a carcinogenic effect. (R40)  
Risk of serious damage to eyes (R41)  
May cause sensitisation by skin contact (R43)  
Harmful: danger of serious damage to health by prolonged exposure through inhalation (R48/20)  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53)  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)  
Harmful: may cause lung damage if swallowed (R65)  
Repeated exposure may cause skin dryness or cracking (R66)

Revision: Changes are indicated with | to the left of the revised text.

The information contained in this safety data sheet is based on the present state of knowledge. 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. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. 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.