



SAFETY DATA SHEET

Permadiip Concentrate

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

APPLICATION Industrial wood preservative

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2 HAZARDS IDENTIFICATION

May impair fertility.

May cause harm to the unborn child.

CLASSIFICATION (1999/45) Repr. Cat. 2;R60, R61.

ENVIRONMENT

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

HUMAN HEALTH

Contains a substance/a group of substances which may impair fertility.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content % | Classification (67/548/EEC) |
|---|-----------|------------|-----------|--|
| disodium octaborate tetrahydrate | 234-541-0 | 12280-03-4 | 1-5% | Repr. Cat. 2;R60,R61. |
| sodium bis(2-ethylhexyl)sulphosuccinate | 209-406-4 | 577-11-7 | 1-5% | Xi;R38,R41. |
| 2,4-dichlorobenzyl alcohol | 217-210-5 | 1777-82-8 | <0.1% | Xi;R41. R52/53. |
| ETHANOL | 200-578-6 | 64-17-5 | <1% | F;R11 |
| BRONOPOL (INN) | 200-143-0 | 52-51-7 | <0.1% | Xn;R21/22 Xi;R37/38,R41 N;R50 |
| SODIUM HYDROXIDE | 215-185-5 | 1310-73-2 | <0.1% | C;R35 |
| NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN | 265-150-3 | 64742-48-9 | <0.1% | Carc. Cat. 2;R45 Muta. Cat. 2;R46 Xn;R65 |

The Full Text for all R-Phrases is Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

Permadiip Concentrate

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

SKIN CONTACT

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Will support combustion if involved in a fire.

SPECIAL FIRE FIGHTING PROCEDURES

Contaminated fire water must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing (see Section 8).

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Stop leak if possible without risk. DO NOT touch spilled material. Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

USAGE DESCRIPTION

Aqueous concentrate for dilution with water (9:1) for use only as a wood preservative.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Protect from freezing.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|------------------|-----|-------------|------------|---------------|---------|-------|
| ETHANOL | WEL | 1000 ppm | 1920 mg/m3 | | | |
| SODIUM HYDROXIDE | WEL | | | | 2 mg/m3 | |

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Permadiip Concentrate

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------|-----------------------|
| APPEARANCE | Light viscous liquid |
| COLOUR | Varying |
| ODOUR | Mild Slight odour |
| SOLUBILITY | Miscible with water |
| BOILING POINT (°C) | >100 °C. @ 1.013 hPa. |
| RELATIVE DENSITY | ca. 1.8 g/ml @ 20°C |
| pH-VALUE, CONC. SOLUTION | ca. 7.8 |
| FLASH POINT (°C) | None |

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions of storage and use. See section 7. Protect from frost.

CONDITIONS TO AVOID

Avoid frost.

HAZARDOUS POLYMERISATION

Will not occur under normal conditions.

MATERIALS TO AVOID

Oxidising agents, acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS

When heated, toxic and corrosive vapours/gases may be formed.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

No data is available for this preparation, which is classified according to the calculation method of EC Directive 88/379/EEC using information about the individual components. Health effects of this preparation as supplied have not been fully determined. The information below should be regarded as precautionary.

INHALATION

May cause irritation to the respiratory system.

INGESTION

May cause stomach pain or vomiting.

SKIN CONTACT

May cause skin irritation/eczema. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

EYE CONTACT

May cause temporary eye irritation.

12 ECOLOGICAL INFORMATION

Permadi Concentrate

ECOTOXICITY

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. Avoid release to the environment. Prevent contamination of soil, drains or surface water, use appropriate containment to avoid environmental contamination.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Product is hazardous waste. Do not allow into drains, sewers or water courses.
 Disposal must be by means of a licensed waste contractor. Do not dispose to landfill or in water courses.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

GENERAL The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
 No transport warning sign required.

15 REGULATORY INFORMATION

LABELLING



Toxic

CONTAINS disodium octaborate tetrahydrate

RISK PHRASES

R60 May impair fertility.
 R61 May cause harm to the unborn child.

SAFETY PHRASES

S23 Do not breathe vapour/spray.
 S38 In case of insufficient ventilation, wear suitable respiratory equipment.
 S39 Wear eye/face protection.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
 S53 Avoid exposure - obtain special instructions before use.
 S60 This material and its container must be disposed of as hazardous waste.
 P11 Restricted to professional users.

EU DIRECTIVES

EC Regulation 1907/2006 (as amended) : 'REACH'.
 EC Regulation 1272/2008: CLP (Classification, labelling and packaging of substances and mixtures).
 ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).
 Control of Substances Hazardous to Health Regulations (as amended). (COSHH)
 Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

APPROVED CODE OF PRACTICE

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance. Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/I5.pdf>

GUIDANCE NOTES

Workplace Exposure Limits EH40.
 Introduction to Local Exhaust Ventilation HS(G)37.

Permadip Concentrate

CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION COMMENTS

Comprehensive revision.

REVISION DATE 12-MAY-11 - rev.02:0945

REV. NO./REPL. SDS 02 dated 11-MAY-11 replaces 00:00945 dated SEP-99

GENERATED

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.