

PRODUCT: DPHP DIPROPYLHEPTYL PHTHALATE

ISSUE DATE: 08/20/07

MSDS Nº: 89

REV. Nº: 0

PAGE: 1/6

1. PRODUCT AND COMPANY IDENTIFICATION

- Product name (label): **DPHP – DI-PROPYLHEPTYL PHTHALATE**
- Name in English: DI-PROPYLHEPTYL PHTHALATE
- Supplier name, address and telephone number:
Elekeiroz S.A. (Várzea Paulista-SP-BRAZIL Unit) - Rua Dr. Edgardo de Azevedo Soares, 392
CEP 13224-030
Phone: **(0xx11) 4596-8800 (24 h)**. Fax: (0xx11) 4596-8881
Elekeiroz S.A. (Camaçari-BA Unit) - Rua João Úrsulo, 1261, Pólo Petroquímico do Nordeste
CEP 42810-000
Phone: **(0xx71) 3632-7711 (24 h)**
Fax: (0xx71) 3632-2110
E-mail (customer service):
elisabete.moskalenko@elekeiroz.com.br
carlos.villani@elekeiroz.com.br
- External supplier name, address and telephone number:
Company: BASF Aktiengesellschaft
67056 Ludwigshafen
GERMANY

Useful address: BASF Espanola SA
C7Can Rabia 3-5
08017 Barcelona
SPAIN
Telephone: +34 93 4964-045
Fax number: +34 93 4964-137
E-mail: alberto.pereira@basf.com

Information in case of emergency:
Telephone number: +49 180 2273-112
Fax number: +351 21 353-5497

2. COMPOSITION AND INFORMATION ABOUT INGREDIENTS

- Common chemical name of the substance:
DI-PROPYLHEPTYL PHTHALATE
- Synonyms:
DPHP.
- Register in *Chemical Abstract Service* (nº C.A.S): 53306-54-0
- Number CE: 258-469-4

PRODUCT: DPHP DIPROPYLHEPTYL PHTHALATE

ISSUE DATE: 08/20/07

MSDS Nº: 89

REV. Nº: 0

PAGE: 2/6

3. HAZARDS IDENTIFICATION

- Specific hazards and most important effects:
It is not applicable.

4. FIRST AID MEASURES

- General indications:
Remove immediately the contaminated clothing.

- After inhalation:
Rest, breath fresh air.

- After contact with the skin:
Wash carefully with water and soap.

- After contact with the eyes:
Wash the eyes very well, with eyelids open, during 15 minutes under running water.

After ingestion:
Rinse the mouth and drink, later, plenty of water.

- Indications for the physician:
Treatment: Symptomatic treatment (decontamination, vital functions), no specific known antidote.

5. FIREFIGHTING MEASURES

- Proper extinguishing media:
Carbon dioxide, dry powder, water, foam

- Special protective equipment:
Use a selfcontained breathing apparatus.

- Additional indications:
Eliminate firefighting wastes and contaminated firefighting water, observing local regulation. Collect separately the contaminated firefighting contaminated water, do not permit the water infiltrates into piping or public sewage galleries.

PRODUCT: DPHP DIPROPYLHEPTYL PHTHALATE

ISSUE DATE: 08/20/07

MSDS Nº: 89

REV. Nº: 0

PAGE: 3/6

6. CONTROL MEASURES FOR SPILLS AND LEAKAGES

- Protection measures related to persons:
Handle according to safety rules for chemicals.

- Protection measures for the environment:
Do not discharge wastes in sewage galleries.

- Cleaning/collection process:
For large quantities: Pump product.

Wastes: Collect with absorbant material. (for instance, sand, saw dust, universal absorbant, diatomaceous earth). Eliminate the collected material according to rules.

7. HANDLING AND STORAGE

- Handling
Adequate ventilation and arejamento in work and storage area.

- Protection against fire and explosion:
Provide measures against electrostatic discharges – keep away ignition sources – Fire extinguishers should be accessible.

- Storage
Additional indications related to storage conditions: Keep the container well closed in dry area.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Personal protective equipment

- Respiratory ways protection:
Respiratory protection in case of insufficient ventilation. Gas filter for organic gases/vapours >65 °C for ex. EN 14387 Tipo A).

- Hands protection:
Proper protection gloves resistant to chemicals (EN 374) even during the direct and prolonged contact (recommended: protection index 6, corresponding to > 480 minutes of permeation time according to EN 374): for instance, nitrilic rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm) among others. Due to the great diversity of types, it should be considered the use indications from manufacturers.

- Additional indication: The data are based on internal tests, bibliographic data and informations provided by gloves manufacturers or come from analogous products. It's necessary observe that, in practice, taking into consideration the influence of several factors (for instance, temperature), the length of a protective glove use against chemical agents can be sensibly shorter than the established permeation length. Os dados baseiam-se em ensaios internos, dados bibliográficos e informações

- Eyes protection:
Protective glasses with lateral protection (glasses with frame) (EN 166)

PRODUCT: DPHP DIPROPYLHEPTYL PHTHALATE**ISSUE DATE: 08/20/07****MSDS Nº: 89****REV. Nº: 0****PAGE: 4/6**

- **Body protection:**

Choose corporal protection according to the activity and possible exposure, for instance, bata, protective boots, protective clothing against chemicals. (segundo DIN-EN 465)

- **General protection and hygiene measures:**

Handle according to safety rules for chemicals.

9. PHYSICAL-CHEMICAL PROPERTIES

- form: liquid
- color: colorless
- odour: light odour
- pH value: ca. 6 (25 °C)
- pourpoint: -48 °C (DIN ISO 3016)
- boiling range: 251 - 254 °C (7 mbar)
- Flammability point: 236 °C (DIN EN 22719; ISO 2719)
- Ignition temperature: 345 °C (DIN 51794)
- Vapour pressure: < 0.0001 mbar (50 °C) 0.0003 mbar (100 °C)
- Density: 0.960 – 0.965 g/cm³ (20 °C) (DIN 51757)
- Solubility in water: < 0.1 µg/l (25 °C)
- Solubility (qualitative) Solvent(s): organic solvents - soluble
- Distribution coefficient n-octanol/water (log Pow): 10.36 (25 °C) (calculated)

Adsorption/water-soil: Log KOC: 6.8 . After infiltration in the soil it is probable an adsorption of the product by particles in the soil. However, it is not predicted underground waters contamination. (OECD draft - Adsorp. Coeff.(HPLC method))

- Viscosity, dynamic: 115 - 130 mPa.s (20 °C)

10. STABILITY AND REACTIVITY

- Hazardous reactions: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATIONS

- **Acute toxicity**

LD50 female rat (oral): > 2,000 mg/kg

Bibliographic indication.

LC50 female rat (inalativo): > 20.5 mg/l 1 h

Bibliographical indication. An aerosol was tested.

LD50 rabbit (dermic): > 2,000 mg/kg

Bibliographic indication.

- **Irritation**

Primary irritation of rabbit skin: not irritant (OCDE, Guideline 404)

Primary irritation of rabbit mucous membranes: not irritant (OCDE, Guideline 405)

PRODUCT: DPHP DIPROPYLHEPTYL PHTHALATE

ISSUE DATE: 08/20/07

MSDS Nº: 89

REV. Nº: 0

PAGE: 5/6

- **Sensitivity**

Guinea pig: It was not detected cutaneous sensitivity in tests with animals.

Bibliographic indication

12. ECOLOGICAL INFORMATION

- **Ecotoxicity**

Aquatic toxicity evaluation: With strong probability it's not harmful to aquatic organisms.

Toxicity to fishes: LC50 (96 h) > 10,000 mg/l, Brachydanio rerio (OCDE 203; ISO 7364; 84/449/CEE, C.1, static) it was examined above maximum solubility. The data about toxic effect refer to nominal concentration.

Aquatic invertebrate:

EC50 (48 h) > 100 mg/l, Daphnia magna (Directive 79/831/CEE). The product is little soluble in the media where the test was performed. It was examined a liquid extract. Nominal concentration.

Aquatic plants:

EC50 (72 h) > 100 mg/l, Scenedesmus subspicatus (Directive 88/302/CEE (Attachment-C,p.89))

The product is little soluble in the media where the test was performed. It was examined a liquid extract.

Nominal concentration.

Microorganisms/effect over activated sludge:

EC50 (16 h) > 8,000 mg/l, Pseudomonas putid (DIN 38412 part 8)

The product is little soluble in the media where the test was performed. It was examined a liquid extract.

Nominal concentration.

CE20 (180 min) > 1,000 mg/l, domestic sludges, activated (DIN EN ISO 8192-OCDE 209-88/302/CEE,P. C, aerobic)

In case of proper introduction of little concentrations in biological treatment installations, they are not expected disturbances in the suppression function of activated sludge. The data of toxic effect refer to nominal concentration.

- **Persistence and degradability**

Indications for elimination: 70 - 80 % of the theoretical value of CO₂ formation (28 Days) (OCDE 301B; ISO 9439; 92/69/EEC, C.4-C) (domestic activated sludge) Biodegradable.

- **Bioaccumulation potential**

Bioaccumulation potential:

Bioconcentration factor: 3.16 (calculated)

- **Additional indications**

Other ecotoxicological indications:

The product should not reach superficial waters without previous treatment.

13. CONSIDERATIONS ABOUT DISPOSAL

According to local regulation, in should be deposited in a garbage collector or in a proper incineration unit.

PRODUCT: DPHP DIPROPYLHEPTYL PHTHALATE**ISSUE DATE: 08/20/07****MSDS Nº: 89****REV. Nº: 0****PAGE: 6/6**

It is not possible to assign/assinalar a key-number of wastes according to the European wastes catalogue, data which depends on the use.

Contaminated package: Contaminated packages should be emptied in the best possible way and can, after the corresponding cleaning, be sent to reuse.

14. TRANSPORTATION INFORMATION

Not comprised by current Decree about hazardous goods road transportation, Resolution ANTT 420/04 and updatings up to the moment; Transportation Ministry, Decree Nº 96.044/88 and their updatings.

- Hazardous goods international transportation by sea (IMO; aerial way/via (IATA), not regulated.

15. REGULATIONS**European Union regulations (Classification) / national regulations**

CE Number: 258-469-4

According to CE Directives, it is not necessary to label for handling.

16. OTHER INFORMATION

Observation:

The information contained in this MSDS are offered in good faith and as guide tool, without incurring expressed or implicit liability. If clearings or additional information are needed, consult the manufacturer.