

**Safety data sheet in accordance with regulation (EC) no. 1907/2006
(amended by regulation (EU) no. 453/2010)**



Drawn up on: 26.03.2012
Revised on:
Valid from: 26.03.2012
Version: V 1.0

Replaces version: Safety data sheet in accordance with 1907/2006/EC, article 31

1. Name of the substance and/or the mix and the company

1.1 Product identifier

Substance name / Trade name: DEHP ThermoTabs

1.2 Relevant identified applications of the substance or mixture, and applications which are advised against.

Instrument cleaner

1.3 Details concerning the supplier which provides the safety data sheet

DE Healthcare Ltd
Unit 9, Kingsthorpe Business Centre,
Studland Road, Kingsthorpe,
Northampton NN2 6NE

UK 01634878750
Emergency #: Chemtrec US (800) 424-9300
International: 001 703-527-3887
Fax +44 (0) 1634 87 87 51

for DE Healthcare:
email: info@dehpbrand.com

2. Possible hazards

2.1 Classification of the substance or mixture

Classification in accordance with Directive 67/548/EEC or Directive 1999/45/EC (Substances or mixtures):

· **Hazard information**



Irritant

· **Special hazard information relating to human beings and the environment:**

The product must be labelled on account of the accounting procedure used in the 'EC general classifications directive for preparations' as amended, information from specialist literature and as a result of company information.

R 41 Risk of serious damage to the eyes

· **Classification system:**

The classification corresponds to the current EC lists, however it is supplemented by company information from specialist literature and company information.

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· GHS labelling elements



Hazard

H318 - Causes severe damage to the eyes.

EUH070 - Toxic upon contact with the eyes.

· Prevention:

P280 Wear protective gloves/protective clothing/goggles/face protection. P280
 Wear goggles / face protection.

· Reaction:

P305+P351+P338 IN THE CASE OF CONTACT WITH THE EYES: Rinse carefully for several minutes with water.

Where possible, remove any contact lenses that may worn. Continue to rinse.

P310 Call the POISONS INFORMATION CENTRE or a doctor straight away.

2.2 Labelling elements

**Labelling elements in accordance with regulation (EC) no. 1272/2008
(substances) / directive 1999/45/EC (mixtures)**

Pictogram / Hazard symbol:



Signal word / Hazard indication:

Irritant, hazard

Contains components that specify hazards (for the labelling):

Hazard information / Risk sentences

CAS: 497-19-8 EINECS: 207-838-8	Sodium carbonate Xi; R 36 Caution: 3.3/2	10-25%
CAS: 15630-89-4 EINECS: 239-707-6	Sodium percarbonate Xn, Xi, O; R 8-22-41 Hazard 2.13/2; 3.3/1 Caution: 3.1.O/4	10-25%
CAS: 1344-09-8 EINECS: 215-687-4	Sodium silicate Xi; R 36/37/38 Caution 3.2/2, 3.3/2, 3.8/3	2.5-10%
CAS: 7446-19-7 EINECS: 231-793-3	Zinc sulphate (aqueous) (mono-hydrated, hexa-hydrated and hepta-hydrated) Xn, Xi, N; R 22-41-50/53 Hazard 3.3/1 Caution: 4.1.C/1; 3.1.O/4	≤ 2.5%
CAS: 95-16-9 EINECS: 202-396-2	Benzothiazole T; R 25 Caution: 3.1.O/4	≤ 2.5%

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4. First aid measures

4.1 Description of the first aid measures

Following inhalation

Supply plenty of fresh air and as a precaution, consult a doctor. In the case of unconsciousness, transport and position the patient in the lateral recumbent position.

Following contact with the skin

Wash off with soap and water straight away, and rinse well.

After contact with the eyes

With an open palpebral fissure, rinse the eyes for several minutes under running water and consult a doctor.

After swallowing

Rinse out the mouth and following this, drink plenty of water. In the case of a sustained complaint, consult a doctor.

4.2 The key acute symptoms / delayed symptoms and effects

See section 11

5. Measures for fire fighting

5.1 Extinguishing agents

Suitable: O₂, extinguishing powder or a jet of water. Fight large fires with a jet of water or an alcohol-based foam.

Unsuitable: -

5.2 Special hazards arising from the substance or mixture

-

5.3 Information concerning the fighting of fires

Product is not flammable. Collect the water that has been used to extinguish the fire separately. It should not end up in the sewer.

6. Measures in the case of accidental release

6.1 Personal protective measures, protective equipment and in what to do in the event of emergencies

Not necessary.

6.2 Measures aimed at protecting the environment

Retain the water that has been used to extinguish the fire and dispose of it.
Do not allow it to flow into the sewer/surface water/ground water.

6.3 Methods and material for retention and cleaning

Dilute with plenty of water.
Pour into suitable containers for reclamation or disposal.

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6.4 Reference to other sections

For information concerning safe handling, see chapter 7
For information concerning personal equipment, see chapter 8. For information concerning disposal,
see chapter 13.

7. Handling and storage

7.1 Safety measures concerning safe handling

Measures for guarding against fire and explosions

No special measures are necessary.

Measures for preventing dust and particulate matter

-

Measures for protecting the environment

-

General hygiene measures

If used properly, no special measures are necessary.

7.2 Conditions for safe storage, taking incompatibilities into account. Information concerning storage conditions.

Store separately from foodstuffs.

Store cool and dry, in well-sealed containers. Protect
against heat and direct solar radiation.

Requirements concerning warehouses and containers

-

Storage class: -

7.3 Specific end applications

Industry-specific and sector-specific guidelines

-

8. Limitation and monitoring of exposure / Personal protective equipment

8.1 Parameters to be monitored

8.1.1 Limit values for exposure at the work place and/or biological limit values - work place limit values (AGW) Germany

-

8.1.2 DNEL and PNEC values

-

8.1.3 Control banding (e.g. ILO, Easy-to-use workplace control scheme for hazardous substances (EMKG))

Relevant parameters / Classification

-

Relevant guidelines concerning protection

-

8.2 Limitation and monitoring of exposure

8.2.1 Suitable technical control equipment

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8.2.2 Individual protective measures - personal protective equipment

for the eyes / face



Protective goggles are recommended when decanting.

Skin protection

Gloves

In the case of full contact:

Material of the gloves: Protective gloves without special characteristics Visible
thickness (mm): -
Penetration time (min.): -

In the case of splash contact:

Material of the gloves: -
Visible thickness (mm): -
Penetration time (min.): -

Other skin protection

Not necessary

Respiratory protection

Not necessary

Protection against heat / cold

Not necessary

8.2.3 Limitation and monitoring of exposure to the environment

9. Physical and chemical properties

9.1 Information concerning the fundamental physical and chemical properties

Appearance
- Aggregate state: Solid
- Colour: 3 layers: white/yellow/blue-white
Odour: Slight citrus fragrance
Odour threshold: -
pH-value: 10.4 at 20°C
Melting point/Freezing point: Not determined
Boiling point (start of boiling) and boiling range: Not determined
flash point: Not applicable
Evaporation speed:
Inflammability (solid, gaseous): The product is not self-igniting.
Upper/Lower inflammability or explosion limits: The product is not an explosion risk.
Vapour pressure: -
Vapour density: -
Relative density: Not determined
Solubility (Solubilities): Soluble in water
Distribution coefficient: -
n-octyl alcohol/water:
Self-igniting temperature: -
Decomposition temperature: -
Viscosity: None
Explosive properties: None
Oxidising properties: None

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9.2 Other information

-

10. Stability and reactivity

10.1 Reactivity

No decomposition when stored and handled as directed

10.2 Chemical stability

-

10.3 Possibility of hazardous reactions:

No hazardous reactions are known of

10.4 Conditions that should be avoided

-

10.5 Incompatible materials

-

10.6 Hazardous decomposition products

No hazardous decomposition products are known of

11. Toxicological information

11.1 Information concerning toxicological effects

For mixtures, the following effects are caused

Acute toxicity

Classification relevant LD/LC50 values:
7446-19-7 Zinc sulphate (aqueous) (mono-hydrated, hexa-hydrated and hepta-hydrated) Oral LD50 2150 mg/kg (rat)

Irritation

- on the skin: No irritant effect
- on the eyes: Severe irritant effect with the risk of serious damage to the eyes

Corrosive effect

No corrosive effect is known of.

Sensitisation

No sensitising effect is known of.

Toxicity in the case of repeat administration

-

Carcinogenicity

-

Mutagenicity

-

Toxicity associated with reproduction

-

Additional toxicological information

Based on the accounting procedure used in the 'EC general classifications directive for preparations' as amended, the product features the following hazards: Irritant

Symptoms and effects (delayed and chronic) with information concerning the paths to exposure: Information concerning toxicokinetics, metabolism and distribution

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12. Environment-related information

12.1 Toxicity

Harmful for fish

12.2 Persistence and degradability

-

12.3 Bioaccumulation potential

-

12.4 Soil mobility

-

12.5 Results of the persistent, bioaccumulative and toxic substances (PBT) and very persistent, very bioaccumulative substances (vPvB) assessment

-

12.6 *Other harmful effects*

Water-hazardous class 1 (Self classification): Slightly hazardous for water
Do not allow to the substance to reach the ground water, water sources and the sewer system undiluted and/or in large quantities.
Harmful for water-borne organisms



13. Information concerning disposal

13.1 Procedure for waste treatment

Treatment of soiled packaging

Disposal in accordance with regulatory requirements

Waste code in accordance with the List of Waste Types Regulation (AVV)

-

Special precautions

-

Relevant EU or other provisions

-

14. Information concerning transportation

14.1 UN number

-

14.2 Proper UN labelling for shipping

ADR/RID

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IMDG code / ICAO-TI / IATA-DGR

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14.3 Transport hazard classes

Not classed as a hazardous product in accordance with the regulations governing hazardous goods

14.4 Packaging group

14.5 Environmental hazards

Labelling of substances that are hazardous to the environment

ADR/RID / IMDG code / ICAO-TI / IATA-DGR: -

Marine Pollutant: No

14.6 Special precautionary information for the user

14.7 Conveyance of bulk cargo in accordance with annex II of the MARPOL convention 73/78 and in accordance with the IBC code

Pollution category (X, Y or Z):

Ship type (1, 2 or 3):

15. Legal regulations

15.1 Regulations concerning safety, health and environmental protection/Specific legal regulations for the substance or the mixture

EU rules e.g.

Regulation (EC) no. 2037/2000 (Substances which lead to the degradation of the ozone layer): Regulation (EC) no. 850/2004 (Persistent, organic hazardous substances) Regulation (EC) no. 689/2008 (Export and import of hazardous chemicals): Regulation (EC) no. 648/2004 (Regulation concerning detergents):

Restrictions in accordance with title VIII of regulation (EC) 1907/2006:

National regulations

Water hazard class

Water-hazardous class 1 (Self classification): Slightly hazardous for water

Solvent regulation (31. BImSchV)

Fault regulation (12. BImSchV)

Does not fall under the fault regulation

Technical manual - Air (TM-Air)

Other relevant regulations

15.2 Substance safety assessment

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16. Other information

The information is based on the knowledge that we currently have available. Having said this, it does not represent any assurance of product features and should not be used as a basis for contractual, legal relationships.

Relevant R sentences

Wording of the R sentences in section 3.

- 22 Hazardous to health when swallowed.
- 25 Poisonous when swallowed.
- 36 Irritates the eyes.
- 36/37/38 Irritates the eyes, the respiratory organs and the skin.
- 41 Risk of serious damage to the eyes.
- 50/53 Very toxic for water organisms. The substance can have long term, damaging effects in water courses.
- 8 Risk of fire upon contact with flammable substances.

Training notes

Use the information contained in this safety data sheet.

Abbreviations:

Literature and data sources

Methods have been used in accordance with article 9 of regulation (EC) no. 1272/2008 concerning the assessment of information for the purpose of classification

Wording of the der R sentences, hazard notes, safety advice and/or safety information to which reference is made in sections 2 to 15

In accordance with directive 67/548/EEC:

In accordance with regulation (EC) no. 1272/2008:

Training for employees

CLP labelling of mixtures (up to 2015, as voluntary information in addition to the label in accordance with RL 1999/45/EC)

Further information
