

Safety Data sheet

According to Directive 1907/2006

3506 di-SODIUM TETRABORATE 10-HYDRATE GMP

Creation Date: 26/08/2013 Revision date: 31/05/2017

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: 3506 Product name: di-SODIUM TETRABORATE 10-HYDRATE GMP Use of the substance: Analysis and chemical-pharmaceutical production. REACH registration Nr.: 01-2119490790-32-0023

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

60 May impair fertility.

61 May cause harm to the unborn child.

S-phrases

53 Avoid exposure - obtain special instructions before use.

45 In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where possible)

Labelling in accordance with directive 1272/2008



H-phrases

360FD May damage fertility. May damage the unborn child.

P-phrases

202 Do not handle until all safety precautions have been read and understood.

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

Signal word : DANGER

TOXIC

R-phrases:

May impair fertility.

May cause harm to the unborn child.

3. Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 1303-96-4

Molecular Weight: 381,37

Chemical formula: $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$

EC-No.: 215-540-4

R-phrases 60; 61

For more information about the R-Phrases text you can consult the paragraph 16

4. First aid measures

After inhalation:

Fresh air

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

After eye contact:

Rinse with abundant water, keeping eyelids open (at least 10 min)

Call the ophthalmologist

After swallowing:

Drink lots of water

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Dust

Water

Carbon dioxide

Foam

Special risks:

Fireproof

Ambient fire may liberate hazardous vapours

Special protective equipment for fire fighting:

Remain in the risk area only if provided with independent artificial respiratory systems.

Other information:

Avoid the penetration of the extinction water in superficial or subterranean aquifers.

6. Accidental release measures

Person-related precautionary measures:

Avoid dust formation

Do not inhale dust

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.
Rinse.

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed

Dry place.

Storage temperature: without limits

8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 5 mg/m³

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Needed

Protection gloves:

Nitrile rubber

Eye protection:

Needed

Other protective equipment:

Change immediately contaminated clothes

Wash hands when work is finished

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Solid

Colour: White

Odour: Odourless

pH value: 9,2 (47 g/l H₂O)

Melting point: 75°C

Vapour pressure: 0,213 hPa

Solubility: 51,4 g/l (water)

10. Stability and reactivity

Substances to be avoided:

Strong acids.

Metallic salts.

Hazardous decomposition products:
Boron oxides

11. Toxicological information

Acute toxicity:

LD50 (oral, rat): 2660 mg/kg; LD50 (dermal, rabbit): >2000 mg/kg

After eye contact:

Slight irritation

After skin contact:

May be absorbed

After inhalation:

Irritation of: respiratory tract

After swallowing:

Absorption

Nausea

Vomiting

Effect in the CNS

Further toxicological information:

Other dangerous characteristics are not discarded

Take the usual precautions for handling chemical products

12. Ecological information

Fishes: *C. auratus* LC50: 630 mg/l /72 h

Daphnia: *Daphnia magna* EC50: 1085-1402 mg/l /48 h

Algae: *Desmodesmus subspicatus* IC50: 158 mg/l /96 h

Bacteria: *Ps. putida* EC0: 15,8 mg/l /16 h

Other harmful effects:

Toxic effect on fish and algae

Do not allow to enter waters, waste water, or soil

13. Disposal considerations

Product:

Dispose as regulated in the community countries by local regulations.
Please contact with the suitable authority in each case (Public Administration or company specialized in

Packaging:

Product packaging disposal must be disposed of in compliance with the respective local regulations.
For contaminated packaging the same measures must be adopted as for the contaminated product.
Not contaminated packaging must be disposed of as domestic residues or recycled material.
European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

14. Transport information

Overland transport ADR/RID

Sea transport IMDG

Air transport ICAO-IATA-DGR

15.Regulatory information

16.Other information

Full text of R phrases mentioned in sections 2 and 3

60 May impair fertility.

61 May cause harm to the unborn child.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to appropriate safety precautions. It does not represent a guaranty of the properties of the product.