



Sujata
Nutri-Pharma

SUJATA NUTRI-PHARMA PVT. LTD.
875/2, GIDC Estate, Makarpura, Vadodara-390010

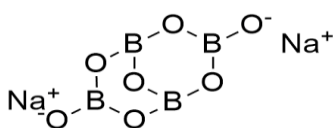
MATERIAL SAFETY DATA SHEET

Name of product : BORAX	Page Revision no .	1 of 8 00
Document number : SNP/MSDS-10	Effective date :	02-05-2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers:

Product form : Substance
Substance name : Borax Decahydrate
CAS No : 1303-96-4
Formula : $\text{Na}_2\text{B}_4\text{O}_{10} \cdot 10\text{H}_2\text{O}$



Borax

1.2 Relevant identified uses of the substance or mixture and uses advised again

Identified uses : Laboratory chemicals, Industrial & for professional use only.

1.3 Details of the supplier of the safety data sheet

Company : Sujata Nutri-Pharma Pvt. Ltd.
875/2 GIDC Estate Makarpura Vadodara 390010, Gujarat , India
Telephone : 0265-3500351
Website : www.sujatanutripharma.com
Email : info@sujatanutripharma.com

1.4 Emergency telephone number

Emergency telephone : 02652630282 (9:00 to 6:00) office hours only

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Reproductive toxicity (Category 1B), H360FD

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

R60, R61

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

Labelling according Regulation (EC) No 1272/2008

Pictogram



Argomenti sccord

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Signal word Danger
 Hazard statement(s)
 H360FD May damage fertility. May damage the unborn child.
 Precautionary statement(s)
 P201 Obtain special instructions before use.
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.
 Supplemental Hazard Statements none
 Restricted to professional users.
2.3 Other hazards - none

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms : Boraxdecahydrate
 Sodium boratedecahydrate
 Formula : B₄Na₂O₇ · 10H₂O
 Molecular Weight : 381,86 g/mol
 CAS-No. : 1303-96-4
 EC-No. : 215-540-4
 Index-No. : 005-011-01-1
 Registration number : 01-2119490790-32-XXXX




Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Disodium tetraborate decahydrate	Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)	
CAS-No. 1303-96-4	Repr. 1B; H360FD	<= 100 %
EC-No. 215-540-4		
Index-No. 005-011-01-1		
Registration number 01-2119490790-32-XXXX		

Hazardous ingredients according to Directive 1999/45/EC




Component	Classification	Concentration
Disodium tetraborate decahydrate	Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)	
CAS-No. 1303-96-4	T, Repr.Cat.2, R60 - R61	<= 100 %
EC-No. 215-540-4		
Index-No. 005-011-01-1		
Registration number 01-2119490790-32-XXXX		
For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16		

Section 4: First Aid Measures

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<p>4.1 Description of first aid measures</p> <p>General advice Consult a physician. Show this safety data sheet to the doctor in attendance.</p> <p>If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.</p> <p>In case of skin contact Wash off with soap and plenty of water. Consult a physician.</p> <p>In case of eye contact Flush eyes with water as a precaution.</p> <p>If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.</p> <p>4.2 Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11</p> <p>4.3 Indication of any immediate medical attention and special treatment needed no data available</p>
SECTION 5: Fire Fighting Measures
<p>5.1 Extinguishing media</p> <p>Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</p> <p>5.2 Special hazards arising from the substance or mixture Borane/boron oxides, Sodium oxides</p> <p>5.3 Advice for firefighters Wear self contained breathing apparatus for fire fighting if necessary.</p> <p>5.4 Further information The product itself does not burn.</p>
SECTION 6: Accidental release measures
<p>6.1 Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.</p> <p>6.2 Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.</p> <p>6.3 Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.</p>

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<p>6.4 Reference to other sections For disposal see section 13.</p>
Section 7: Handling and Storage
<p>7.1 Precautions for safe handling Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.</p> <p>7.2 Conditions for safe storage, including any incompatibilities Store at ambient/room temperature away from sunlight in a tightly closed condition.</p> <p>7.3 Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated</p>
Section 8: Exposure Controls/Personal Protection
<p>8.1 Control parameters Components with workplace control parameters</p> <p>8.2 Exposure controls Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.</p> <p>Personal protective equipment Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).</p> <p>Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p>Body Protection Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</p> <p>Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p>Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains.</p>
Section 9: Physical and Chemical Properties

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9.1 Information on basic physical and chemical properties	
a) Appearance	Form: crystalline Colour: white
b) Odour	no data available
c) Odour	Threshold no data available
d) pH	9,2 at 10 g/l
e) Melting point/freezing point	62 °C
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evapouration rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits :	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	1,73 g/mL at 25 °C
n) Water solubility	38,1 g/l at 20 °C - completely soluble
o) Partition coefficient: n- octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available
9.2 Other safety information Relative vapour density 4,22 - (Air = 1.0)	
Section 10 : Stability and Reactivity Data	
10.1 Reactivity No data available	
10.2 Chemical stability Stable under recommended storage conditions.	
10.3 Possibility of hazardous reactions No data available	
10.4 Conditions to avoid No data available	
10.5 Incompatible materials Strong oxidizing agents, Strong bases, Strong reducing agents	
10.6 Hazardous decomposition products In the event of fire: see section 5	
Section 11 : Toxicological Information	
11.1 Information on toxicological effects	

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Acute toxicity

LD50 Oral - Rat - female - 2.360 mg/kg

(OECD Test Guideline 401)

Remarks: Behavioral:Somnolence (general depressed activity). Cyanosis

LC50 Inhalation - Rat - 4 h - > 12,2 mg/l

LD50 Dermal - Rabbit - > 2.000 mg/kg

Skin corrosion/irritation

Moderate skin irritation Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Corrosive

(Directive 67/548/EEC, Annex V, B.5.)

Respiratory or skin sensitisation

Maximisation Test (GPMT) - Guinea pig

Result: Does not cause skin sensitisation.

(OECD Test Guideline 406)

Germ cell mutagenicity

No data available

Ames test

S. typhimurium

Result: negative

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

Inhalation - Causes damage to organs through prolonged or repeated exposure. - Lungs




Aspiration hazard

No data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly

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investigated.

Section 12 : Ecological Information

12.1 Toxicity

Toxicity to fish LC50 - Lepomis macrochirus - 44,6 mg/l - 96 h

Toxicity to daphnia and other aquatic Invertebrates Immobilization EC50 - Daphnia magna (Water flea) - 860 mg/l - 48 h

Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata - > 33,1 mg/l - 72 h (OECD Test Guideline 201)

12.2 Persistence and degradability

Expected to be biodegradable

12.3 Bioaccumulative potential

Bioaccumulation Leuciscus idus (Golden orfe) - 3 d
- 50 µg/l
Bioconcentration factor (BCF): 5,3

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Harmful to aquatic life.
No data available

Section 13 : Disposal Considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

Section 14 : Transport Information

14.1 UN number

ADR/RID: -

IMDG: -




IATA: -

14.2 UN proper shipping name

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ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods 14.3 Transport hazard class(es) ADR/RID: - IMDG: - IATA: - 14.4 Packaging group ADR/RID: - IMDG: - IATA: - 14.5 Environmental hazards ADR/RID: no IMDG Marine pollutant: no IATA: no 14.6 Special precautions for user No data available
Section 15: Other Regulatory Information
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture No data available 15.2 Chemical Safety Assessment For this product a chemical safety assessment was not carried out
Section 16 : Other Information
Revision no: 00 Revision date: 02-05-2022 Other information: None. Full text of H-Statements referred to under sections 2 and 3. Eye Dam. Serious eye damage H315 Causes skin irritation. H318 Causes serious eye damage. H372 Causes damage to organs through prolonged or repeated exposure if inhaled. Skin Irrit. Skin irritation STOT RE Specific target organ toxicity - repeated exposure Full text of R-phrases referred to under sections 2 and 3 T Toxic Xi Irritant R38 Irritating to skin. R41 Risk of serious damage to eyes. R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation Further information The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sujata Nutri-Pharma Pvt.Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

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