

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Borax

Recommended use of the chemical and restrictions on use: Laundry Detergent

Supplier: MaddieBrit Products, LLC
370 N. Westlake Blvd
Suite 230
Westlake Village, CA 91362
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SDS Date of Preparation: 3/8/23

2. HAZARDS IDENTIFICATION

GHS Classification:

Physical:	Health:
Not Hazardous	Eye Irritant Category 2A Reproductive Toxicity Category 2

GHS Label Elements:

Warning!



Hazard Statements

Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.

Precautionary Statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash thoroughly after handling.
Wear protective gloves and eye protection.
If exposed or concerned: Get medical attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical attention.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Sodium Tetraborate Decahydrate	1303-96-4	>99.4%

The exact concentration is being withheld as a trade secret.

4. FIRST AID MEASURES

Eye: Flush eyes thoroughly with water for several minutes, while holding the eyelids apart. Remove contact lenses if easy to do so. Continue rinsing. Get medical attention if irritation persists.

Skin: Flush thoroughly with water. Get medical attention if irritation or symptoms of exposure develop. Remove and launder contaminated clothing before re-use.

Inhalation: Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water and give one glass of water to drink. Get medical attention if you feel unwell.

Most important symptoms and effects, acute and delayed: Contact with dust may cause moderate eye irritation. Direct contact with dust may cause mechanical skin irritation. Inhalation of dust may cause irritation of the nose, throat and upper respiratory irritation. Exposure to Sodium Tetraborate Decahydrate may cause reproductive harm.

Indication of immediate medical attention and special treatment, if needed: Immediate medical attention is not required.

5. FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use media appropriate for surrounding fire. Do not use solid water jet as that may create a dust cloud.

Specific Hazards Arising From the Chemical: This product is not flammable or combustible. Hazardous decomposition products include metallic oxides.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Powders that become wet may cause surfaces to be extremely slippery and cause a slip hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with the eyes, skin, and clothing. Wear appropriate protective clothing. Avoid generating air-borne dust. Powders that become wet may cause surfaces to be extremely slippery and present a slip hazard.

Methods and Materials for Containment and Cleaning Up: Scoop or shovel up using methods that minimize the generation of airborne dust. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Place dry material into an appropriate container for disposal. Wipe spill area with a damp cloth. Report releases as required by local, state and federal authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Avoid generating or breathing dust. Use with adequate ventilation. Keep containers closed when not in use. Minimize the generation and accumulation of dust. Do not eat, drink or smoke when using this product. Ensure all containers are labeled.

Do not reuse containers. Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a dry, well-ventilated area away from heat and incompatible materials. Keep containers closed when not in use. Protect from moisture. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Sodium Tetraborate Decahydrate (as borate compounds, inorganic)	2 mg/m3 TWA, 6 mg/m3 STEL (inhalation) ACGIH TLV
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Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Personal Protective Equipment:

Respiratory Protection: In operations where exposure limits are exceeded, an approved respirator with dust/mist cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form, and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Wear impervious gloves to prevent skin contact.

Eye Protection: Chemical safety goggles or dust goggles are recommended to prevent eye contact.

Other: Impervious coveralls, apron and boots as needed to avoid contact. Suitable washing facilities should be available in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White, crystalline powder	Vapor Pressure: Not applicable
Odor: Odorless	Vapor Density: Not applicable
Odor Threshold: Not applicable	Relative Density: 1.73 @ 23°C (73.4°F)
pH: 9.3 (0.1% solution); 9.2 (1% solution); 9.3 (4.7% solution)	Solubilities: Soluble in water
Melting/Freezing Point: 62°C (143.6°F)	Partition Coefficient (N-Octanol/Water): Not applicable
Initial Boiling Point/Range: Not applicable	Auto-ignition Temperature: Not applicable
Flashpoint: Not applicable	Decomposition Temperature: Not determined
Evaporation Rate: Not applicable	Viscosity: Not applicable
Flammability (solid, gas): Not applicable	Flammable Limits: LEL: Not applicable UEL: Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical Stability: Under normal ambient temperatures (-40°C to 40°C), the product is stable. When heated it loses water, eventually forming anhydrous borax (Na₂B₄O₇).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur. Reaction with strong reducing agents such as metal hydrides or alkali metals will generate hydrogen gas which could create an explosive hazard.

Conditions to Avoid: Avoid extreme heat. Avoid exposure to air or moisture over prolonged periods.

Incompatible Materials: Strong reducing agents.

Hazardous Decomposition Products: metallic oxides.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Eye: Dust may cause moderate eye irritation.

Skin: Contact with dust may cause mechanical (abrasive) skin irritation.

Inhalation: Dust may cause irritation to nose, throat, and upper respiratory tract.

Ingestion: Swallowing may cause mouth, throat, and gastrointestinal irritation with nausea and vomiting.

Chronic: Symptoms of accidental over-exposure to high doses of inorganic borate salts have been associated with ingestion or absorption through large areas of severely damaged skin. These may include nausea, vomiting, and diarrhoea, with delayed effects of skin redness and peeling.

Carcinogenicity: None of the components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.

Germ Cell Mutagenicity: None known.

Reproductive Toxicity: This product is expected to cause reproductive harm.

Numerical Measures of Toxicity:

Sodium Tetraborate Decahydrate: Oral rat LD50- 5560 mg/kg, Skin rabbit LD50- >2000 mg/kg, Inhalation rat LC50- >2.0 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Sodium Tetraborate Decahydrate: 96 hr LC50 Pimephales promelas- 80-627 mg B/L

Persistence and Degradability: Biodegradation is not applicable to inorganic compounds.

Bioaccumulative Potential: Not data available.

Mobility in Soil: No data available

Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national environmental regulations.

14. TRANSPORT INFORMATION

DOT Hazardous Materials Description: Not Regulated

IMDG Shipping Description: Not Regulated

IATA Shipping Description: Not Regulated

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

STATE REPORTING REGULATIONS:

California Proposition 65: This product does not contain substances known in the State of California to cause cancer and/or reproductive harm.

SARA TITLE III:

Hazard Category for Section 311/312: Refer to Section 2 for OSHA Hazard Classification.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All ingredients in this product are listed on the TSCA inventory.

16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 0 Instability = 0
HMIS Rating: Health = 2* Flammability = 0 Physical Hazard = 0

SDS Revision History: New SDS

Date of Preparation: March 8, 2023

Date of last revision: N/A

NOTICE

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.