

MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: Borax Decahydrate.

Synonyms: Disodium tetraborate decahydrate.

SUPPLIER: The Soap Kitchen, 11a South Street, Torrington, Devon, EX38 8AA.

Emergency Tel No: 01805 622944 Emergency Contact: Mr. Richard Phillips.

2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: CHEMICAL. Disodium tetraborate.

CAS No: 1303-96-4	Status:	CoE No:	FEMA:
Additives: None	FDA:	IFRA:	Formula:
RIFM:	EINECS: 215-540-4	RTECS:	FCCIV:

INCI name:

3. HAZARDS IDENTIFICATION:

Nuisance dust. Ingestion of excessive quantities may be harmful. Large amounts of borax can be harmful to plants and other species.

4. FIRST-AID MEASURES:

INHALATION:	Mild irritation of breathing passages.
TREATMENT:	Remove from exposure. Rest and keep warm. In severe cases or if recovery is not rapid or complete, seek medical attention.
EYE CONTACT:	Irritation.
TREATMENT:	Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.
SKIN CONTACT:	Mild mechanical irritation.
TREATMENT:	Remove contaminated clothing, rinse skin with plenty of water.
INGESTION:	Mild gastrointestinal disturbance.
TREATMENT:	Wash out mouth with water. Do not induce vomiting. If patient is conscious give plenty of water to drink. If patient feels unwell seek medical attention.

IMMEDIATE TREATMENT/ANTIDOTE: Symptomatic treatment.

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA Use extinguisher suitable to cause of fire..

6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS:	Wear appropriate PPE. See section 8.
ENVIRONMENT PRECAUTIONS:	Do not allow large spills to be flushed down drains.
CLEAN UP PROCEDURE	Vacuum or sweep up. Avoid raising dust. Place in suitable labelled containers. Hold for waste disposal.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING:	Ensure good general ventilation. Avoid inhaling dusts. Avoid contact with eyes and skin.
STORAGE CONDITIONS:	Store in cool, dry conditions at ambient temperature.
SUITABLE CONTAINERS:	Store in original containers.
KEEP AWAY FROM:	See section 10.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

EXPOSURE LIMITS: 5MG/M₃, 8HR TWA TYPE: OES

MONITORING METHOD: As Disodium tetraborate decahydrate.

PROTECTIVE MEASURES.

RESPIRATORY PROTECTION: Type approved RPE for dusts if required.

SKIN PROTECTION: Rubber or plastic gloves. Lightweight overalls. Boots

EYE PROTECTION: Use safety glasses/goggles.

WORK/HYGIENE PRACTICES: Wash hands with soap & water after handling. Do not eat, drink or smoke around this product.

9. PHYSICAL & CHEMICAL PROPERTIES.

APPEARANCE: White granular or crystalline solid.

Odour: None.

PH: 9.2 (1% solution)

FLASH-POINT °C: Fire retardant

SOLUBILITY IN WATER: 4.7% saturated solution @ 20 °C. 65.6% @ 100 °C

DENSITY: 1.71 @ 20 °C.

10. STABILITY & REACTIVITY.

STABILITY: Stable in normal conditions.

11. TOXICOLOGICAL INFORMATION.

Low acute oral toxicity. Low acute inhalation toxicity. Not an eye or skin irritant, but dust may cause irritation. No evidence of carcinogenicity.

LD₅₀ ca. 4500 – 5000 mg/Kg. Oral rat.

12. ECOLOGICAL INFORMATION.

BORON IS AN ESSENTIAL MICRO NUTRIENT FOR PLANT GROWTH, BUT IN LARGE QUANTITIES CAN BE PHYTOTOXIC

BIODEGRADABILITY: Easily degradable

MOBILITY: Soluble in water. Leachable through normal soil.

AQUATIC TOXICITY: LC₅₀, 96h, Dab = 74mg B/l; LC₅₀, 24 day, Rainbow Trout (embryo-larval stage) = 88mg B/l; LC₅₀, 25h, Daphnia magna = 242mg B/l; EC₁₀, 96h, Green Algae = 24mg B/l.

13. DISPOSAL CONSIDERATIONS.

RECOMMENDATIONS: Via an authorized waste disposal contractor to an approved waste disposal site, obeying all local and national regulations.

14. TRANSPORT REGULATIONS.

Road (ADR/RID): n/a

AIR (IATA): n/a

SEA (IMDG) n/a

15. REGULATORY INFORMATION.

LABEL REQUIRED: Yes. Ref. CHIP '96

LABEL NAME: Borax.

HAZARDS: n/a

SYMBOLS: n/a

RISK PHRASES: n/a

SAFETY PHRASES: n/a

16. OTHER INFORMATION.

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	Yes
F/HDPE	Yes
Other plastic	Yes

This material is usually used for:

Manufacture of glass, ceramics, etc.

It must not be used for:

Further details may be available upon request from The Soap Kitchen.

SHELF-LIFE

Q.C. REQUIREMENTS.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.