

BORAX DECAHYDRATE – SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

PRODUCT IDENTIFIER

Product Name	Borax Decahydrate	
INCI Name	Sodium Tetraborate Decahydrate	
CAS Number	1303-96-4	


DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients	Pure Nature
Address	626A Rosebank Road, Avondale 1026	626A Rosebank Road, Avondale 1026
Telephone	+64 9 813 5619	+64 9 813 9412
Website	www.pureingredients.co.nz	www.purenature.co.nz
Email	compliance@pureingredients.co.nz	info@purenature.co.nz

EMERGENCY TELEPHONE NUMBER

Association / Organisation	0800 CHEMCALL / 0800 243 622 (24hr)	
Emergency telephone numbers	111	
Other emergency telephone numbers	0800 764 766	

SECTION 2 HAZARDS IDENTIFICATION

Hazard Classification	Reproductive toxicity Category 1 6.8A	
Hazard Nature	This product is classified as HAZARDOUS under HSNO and GHS criteria.	
Pictogram(s)		
Signal Word	DANGER	
Hazard Statement(s)	May damage fertility or the unborn child.	
Prevention Statements(s)	Keep out of reach of children. Obtain, read and follow all safety instructions before use. Wear protective gloves and eye protection.	
Response Statement(s)	Rinse skin or shower with water. If swallowed, rinse mouth. Do not induce vomiting. If exposed or concerned, seek medical advice. If skin irritation persists, seek medical advice. If eye irritation persists, seek medical advice.	
Storage Statement(s)	Store in a closed container.	
Disposal Statement(s)	Dispose of contents and containers to landfill.	

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

% [volume/weight]	INCI Name	CAS No.
100	Sodium Tetraborate Decahydrate	1303-96-4

SECTION 4 FIRST AID MEASURES

General information: You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin contact: Gently brush away excess solids. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye contact: Quickly and gently brush particles from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

SECTION 5 FIREFIGHTING MEASURES

Fire and explosion hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Fire decomposition products from this product are not expected to be hazardous or harmful.

Extinguishing media: Not Combustible. Use extinguishing media suited to burning materials.

Firefighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn.

Flammability class: Does not burn.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Minor spills do not normally need any special cleanup measures.

In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask. Protective glasses or goggles should be worn.

Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. This material may be suitable for approved landfill.

Ensure legality of disposal by consulting regulations prior to disposal.

SECTION 7 HANDLING AND STORAGE

Keep exposure to a minimum.

Keep containers tightly closed, dry and away from water.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimized and a dust mask is available for use.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when using this product.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Respirator: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable dust mask.

Transportation: This product is not classified as a Dangerous Good. No special transport conditions are necessary by road or rail.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless to white crystal or powder	Vapour pressure	Negligible at normal ambient temperatures
Odour	No odour	Vapour density	No data available
Odour threshold	No data available	Specific gravity	1.73
pH	No data available	Solubility	5.1% @ 20°C
Melting/freezing point	75°C	Partition coefficient	No data available
Boiling point & range	320°C @ 100kPa	Auto-ignition temperature	N/A – does not burn
Flash point	No data available	Decomposition temperature	No data available
Flammability	No data available	Kinematic viscosity	No data available
Upper/lower flammability	No data available	Particle characteristics	No data available

SECTION 10 STABILITY AND REACTIVITY

Reactivity: This product is unlikely to react or decompose under normal storage conditions.

Conditions to Avoid: Containers should be kept tightly closed and dry.

Incompatibilities: Water.

Fire Decomposition: No significant quantities of decomposition products are expected.

Polymerisation: This product will not undergo polymerisation

SECTION 11 TOXICOLOGICAL INFORMATION

Inhalation: Available data indicates that this product is not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

Skin Contact: Available data indicates that this product is not harmful. It should present no hazards in normal use.

Eye Contact (short term): This product may be mildly irritating to eyes, but is unlikely to cause anything more than mild discomfort which should disappear once product is removed.

Ingestion (short term): This product, while believed to be not harmful, is likely to cause gastric disturbance such as nausea vomiting and headaches if ingested in significant quantities. May irritate mucus membranes, but unlikely to cause anything more than transient discomfort.

Target organs: There is no data to hand indicating any particular target organs.

Chronic: No evidence of adverse health effects has been reported from chronic exposure to this product.

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SECTION 12 ECOLOGICAL INFORMATION

This product is unlikely to adversely affect the environment. Salts, acids and bases are typically diluted and neutralised when released to the environment in small quantities.

Soil microorganisms: At high levels toxic to many soil microorganisms.

Plants: Borax is an essential plant nutrient and occurs naturally in soil, however high levels could kill plants.

Terrestrial animals: Borax is practically non toxic to birds, mammals and bees. High concentrations are toxic to insects.

SECTION 13 DISPOSAL CONSIDERATION

There are many pieces of legislation covering waste disposal and they differ in each state and territory, so each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

SECTION 14 TRANSPORT INFORMATION

Transport	ADR/RID	IMDG	IATA/ ICAO
UN number	Not dangerous goods	Not dangerous goods	Not dangerous goods
UN proper shipping name	Nil	Nil	Nil
Transport hazard class(es)	Nil	Nil	Nil
Packing group	Nil	Nil	Nil

SECTION 15 REGULATORY INFORMATION

HSNO approval number	HSR002503
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SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

Version: 00 Revision Date: 19/10/2023. New PIL – SA264