
Section 01 Identification

Product Identifier	O'B HIBIT
Other Means of Identification	Not available
Product Use and Restrictions on Use	Dry acid inhibitor
Initial Supplier Identifier	ClearTech Industries Inc. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7 Phone: 800.387.7503 Fax: 888.281.8109 www.cleartech.ca
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Section 02 Hazard Identification

Physical hazards

This product does not qualify for any physical hazard class under WHMIS 2015

Health hazards

Serious eye damage / eye irritation Category 2

Reproductive Toxicity Category 2

Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

Pictograms



Precautionary statements

Prevention

- P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves, protective clothing, eye protection, face protection.

Response

- P305 P351 P338 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 advice or attention.
P337 P313
P308 P313 IF exposed or concerned: Get medical advice or attention.

Storage

- P405 Store locked up.

Disposal

- P501 Dispose of contents / container in accordance with all federal, provincial and / or local regulations including the Canadian Environmental Protection Act.

Hazards not otherwise classified

Not available

Supplemental Information

Not available

Section 03 Composition / Information on Ingredients

Hazardous ingredients:

Chemical name	Common name(s)	CAS number	Concentration (w/w%)
Sodium tetraborate decahydrate	Borax	1303-96-4	> 50%

Section 04 First-Aid Measures

Description of necessary first-aid measures

Inhalation	Get medical advice / attention if you feel unwell or are concerned.
Ingestion	Get medical advice / attention if you feel unwell or are concerned.
Skin contact	Rinse / wash with lukewarm, gently flowing water for 5 minutes or until product is removed. If skin irritation occurs or if you feel unwell: Get medical advice / attention.
Eye contact	Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15 to 20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice / attention.

Most important symptoms and effects, both acute and delayed

Inhalation	May cause respiratory irritation. Persistent exposure may result in chronic bronchitis.
Ingestion	Abdominal pain, diarrhea, headache, nausea, vomiting, weakness, convulsions
Skin contact	Long term exposure may lead to chronic eczema.
Eye contact	Causes serious eye irritation.
Further information	For further information see Section 11 Toxicological Information.

Section 05 Fire Fighting Measures

Suitable extinguishing media	Extinguish fire using extinguishing agents suitable for the surrounding fire.
Unsuitable extinguishing media	Not available
Specific hazards arising from the chemical	Thermal decomposition may produce oxides of carbon and sulphur.
Special protective equipment for fire-fighters	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.

Section 06 Accidental Release Measures

Personal Precautions / Protective Equipment / Emergency Procedures	Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so.
Environmental Precautions	Prevent material from entering sewers or confined spaces. Notify local health and wildlife officials. Notify operators of nearby water intakes.
Methods and Materials for Containment and Cleaning Up	Dry sweeping is not recommended. Pre-dampening the material or use of a vacuum is preferred. Shovel into clean, dry, labelled containers and cover. Flush area with water.

Section 07 Handling and Storage

Precautions for Safe Handling	Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. Avoid generating dust. Prevent the release of dust into the workplace air. Inspect containers for damage or leaks before handling. If the original label is damaged or missing replace with a workplace label.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area, out of direct sunlight, away from heat sources and incompatible materials. Always store in original labeled container. Keep containers tightly closed when not in use and when empty. Empty containers may contain hazardous residues. Protect label and keep it visible.
Incompatibilities	Strong oxidizing agents.

Section 08 Exposure Controls and Personal Protection

Exposure limits

Component	Regulation	Type of listing	Value
Borax	NIOSH	REL	5 mg/m ³

Engineering controls

Ventilation Requirements	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.
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Other An eye wash bottle or eye wash station must be available, tested, and be in close proximity to the product being handled in accordance with provincial regulations.

Protective equipment

Eye and face protection Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should never be worn; they may contribute to severe eye injury.

Hand protection Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

Foot protection No special footwear is required other than what is mandated at place of work.

Skin and body protection No specific requirement beyond what is mandated at place of work.

Respiratory protection No specific guidelines are available. Where required, an approved respirator suitable for non-toxic dust may be adequate.

Thermal hazards Not available

Section 09 Physical and Chemical Properties

Appearance

Physical state Granular solid

Colour White

Odour Slight odour

Odour threshold Not available

Property

pH 8.5-10 @ 5%

Melting point / freezing point ~741 °C

Initial boiling point and boiling range Not available

Flash point Not available

Evaporation rate Not available

Flammability Not available

Upper flammable limit Not applicable

Lower flammable limit Not available

Vapour pressure Not available

Vapour density Not available

Relative density 1.7 g/cm³

Solubility 5% in water

Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
Viscosity	Not applicable
Specific gravity	Not applicable
Formula	Not applicable (mixture)
Molecular weight	381.363 g/mol

Section 10 Stability and Reactivity

Reactivity	Not available
Stability	Stable when stored and handled under recommended conditions (see section 07)
Possibility of hazardous reactions	Not available
Conditions to avoid	Not available
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Thermal decomposition may produce oxides of carbon and sulphur.

Section 11 Toxicological Information

Acute Toxicity (LD50 values)

Component	Route	Species	Value	Exposure time
Borax	Oral	Rat	5.66 g/kg	
	Dermal	Rabbit	>10 g/kg	
	Inhalation	Rat	>2 mg/m ³	4 hours

Percentage of product with unknown toxicity:

Toxic Health Effect Summary

Chemical Characteristics	No known effects
Skin	Long term exposure may lead to chronic eczema.
Ingestion	Abdominal pain, diarrhea, headache, nausea, vomiting, weakness, convulsions
Inhalation	May cause respiratory irritation. Persistent exposure may result in chronic bronchitis.
Eye contact	Causes serious eye irritation.
Delayed and Chronic	Some studies on rats have suggested that long term exposure to high levels of borax may cause reproduct effects.

Section 12 Ecological Information

Ecotoxicity

Component	Type	Species	Value	Exposure Time
Borax	LC50	Oncorhynchus mykiss (rainbow trout)	54 ppm	96 hours
Biodegradability	Does not biodegrade, however is naturally occurring and ubiquitous in the environment.			
Bioaccumulation	Is not expected to bioaccumulate			
Mobility	Water soluble			
Other adverse effects	Not available			

Section 13 Disposal Considerations

Waste From Residues / Unused Products	Dispose in accordance with all federal, provincial, and local regulations including the Canadian Environmental Protection Act.
Contaminated Packaging	Do not remove label, follow label warnings even after the container is empty. Empty containers should be recycled or disposed of at an approved waste handling facility.

Section 14 Transport Information

UN number	Not available
UN proper shipping name	Not available
Transport hazard class(es)	Not available
Packing group	Not available
Excepted quantities	Not available
Environmental hazards	Not available
Special precautions	Not available
Transport in bulk	Not available
Additional information	Secure containers (full or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.

TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 16 of this SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and published test data regarding the classification of this product are listed in the references at section 16 of this SDS.

Section 15 Regulatory Information

NOTE: THE PRODUCT LISTED ON THIS SAFETY DATA SHEET HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN HAZARDOUS PRODUCTS REGULATIONS. THIS SAFETY DATA SHEET CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

Section 16 Other Information

Date of latest revision: January 22, 2019

Note: The responsibility to provide a safe workplace remains with the buyer / user. The buyer / user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the buyer / user to comply with all applicable laws and regulations regarding handling, using, reselling and shipping this product.

Attention: Receiver of the chemical goods / SDS coordinator

As part of our commitment to the RDC Responsible Distribution® initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

References:

- 1) CHEMINFO
- 2) TOXNET
- 3) eChemPortal
- 4) ECHA
- 5) Transportation of Dangerous Goods Canada
- 6) HSDB
- 7) PAN