

# MATERIAL SAFETY DATA SHEET

## 1. Identification

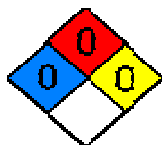
**Product**  
**Name:** CALCIUM REMOVER CLEANER (INO-Bi12)  
**Use:** Ecological calcium remover  
**Code:** IS-015

**Manufacturer**  
**Innu-Science Canada Inc.**  
1777, boul. Nobel, Local F  
Ste-Julie, Québec J3E 1Z6 CA  
Phone number: 450-922-4666  
Fax: 450-922-7776



HMIS/NFPA

WHMIS  
Not regulated.



**Emergency phone:**

CANUTEC Canada 613-996-6666  
CHEMTREC USA 800-424-9300  
Québec Poison Control Center: 1 800-463-5060

## 2. Hazards identification:

### Potential short term health effects

Routes of exposure

Eyes	Skin	Inhalation	Ingestion
Pratically non-irritating	Non-irritating.	Non-irritating.	May cause minor gastro-intestinal disturbance

**Target organs:** Eyes.

**Chronic effects:** Slight irritation of cornea.

**Signs and symptoms:** Symptoms may include redness and drying.

**OSHA Regulatory Status:** This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Environmental effects:** The components of this product are not identified as having potential environmental concerns.

## 3. Composition / Information on Ingredients

There is no hazardous ingredients in this preparation. This product is classified "Not regulated" by WHMIS criteria and it's considered "No hazardous" by the NFPA.

**INO-Bi12™** is a blend of surfactants and beneficial, selectively adapted bacteria.

## 4. First aids

**Eyes contact:** Remove contact lenses if applicable. Immediately flush eyes with water for 15 minutes.

**Skin contact:** Flush with water and wash all exposed contaminated clothing before reuse.

**Inhalation:** Move victim to fresh air if discomfort occurs.

**Ingestion:** Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Give several glasses of water if victim is conscious. Obtain medical attention.

**General advice :** If you feel unwell, seek medical advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin.

## 5. Fire Fighting Measures

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- Flammable properties:** Not flammable by WHMIS/OSHA criteria.
- Extinguishing media :** Dry chemical. Alcohol foam. Carbon dioxide.
- Protection of firefighters:** Firefighters should wear full protective clothing including self contained breathing apparatus.
- Hazardous combustion products :**  
May include and are not limited to: Oxides of carbon.

## 6. Accidental Release Measures

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- Personal precautions:** Delineate the spill area and keep people away from and upwind of spill/leak.
- Environmental precautions:** Avoid contamination of soils, streams, lakes ponds or public water. Treat the spill according to municipal standards and/or government laws.
- Methods for cleaning up:** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

## 7. Handling and Storage

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- Handling:** When using do not eat or drink. Avoid contact with eyes.
- Storage:** Keep out of reach of children. Store in a closed container away from incompatible materials. Store at room temperature.

## 8. Exposure Controls / Personal Protection

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- Exposure limits:** None.
- Engineering controls:** General ventilation normally adequate.
- Personal protective equipment :**
- Eye / face protection : Avoid splashing.
- Hand/skin/body: -
- Respiratory protection: -
- Hygiene considerations : Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

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<b>Appearance :</b>	Liquid	<b>pH:</b>	6,5 - 7,5
<b>Color :</b>	Amber	<b>Flash point</b>	n.d.
<b>Specific gravity :</b>	1,025-1,050 g/mL	<b>Solubility:</b>	Easily soluble in cold water.
<b>Physical state :</b>	Aqueous solution	<b>Viscosity :</b>	< 2,50 cSt/s
<b>Odor :</b>	Grass		

## 10. Stability and Reactivity

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<b>Reactivity :</b>	Strong acids or bases may inactivate bacterial mixture.
<b>Hazardous reactions:</b>	None.
<b>Chemical stability :</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Do not mix with other chemicals.
<b>Incompatible materials :</b>	None.
<b>Hazardous decomposition products :</b>	May include and are not limited to: Oxides of carbon.

## 11. Toxicological Information

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<b>Toxic analysis :</b>	Not available.
<b>Effects of acute exposure :</b>	
Eye:	May cause slight irritation.
Skin :	Non-irritating.
Inhalation :	Non-irritating.
Ingestions :	Can cause minor gastro-intestinal disturbance.
<b>Sensibilization :</b>	This product has no sensitizing properties.
<b>Chronic effects :</b>	Non-hazardous by WHMIS/OSHA criteria.

## 12. Ecological Information

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<b>Persistence / degradability :</b>	Not available.
<b>Mobility in environmental media :</b>	Not available.
<b>Aquatic toxicity :</b>	Not available.



**Section 302 extremely hazardous substance:** No

**Section 311 hazardous chemical:** No

**Clean Air Act (CAA) :** Not available

**Clean Water Act (CWA) :** Not available

**State regulations :** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

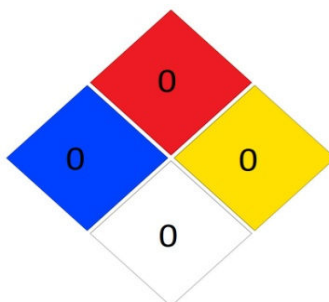
**Inventory name**

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
USA & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

Health	0
Flammability	0
Physical hazard	0
Personal Protection	-



LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

**Disclaimer:**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from these of or reliance on any information contained in this document.

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**Expiry date :** 14 November 2014

**Prepared by:** Innu-Science Canada Inc

**Other information :** For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.