

MATERIAL SAFETY DATA SHEET

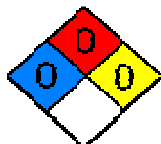
1. Identification

Product
Name: DESCALER (INO-Bi16)
Use: Descaler
Code: IS-016-09

Manufacturer
Innu-Science Canada Inc.
1777, boul. Nobel, Local F
Ste-Julie, Québec J3E 1Z6 CA
Phone number: 450-922-4666
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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
May cause irritation in case of direct contact	Pratically 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-Bi16 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

- 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

- 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

- 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

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

9. Physical and Chemical Properties

Appearance :	Viscous	pH:	3,5 - 4,0
Color :	Pink	Flash point	n.d.
Specific gravity :	1,015-1,025 g/mL	Solubility:	Easily soluble in cold water.
Physical state :	Aqueous solution	Viscosity :	> 100 cP
Odor :	Floral		

10. Stability and Reactivity

Reactivity :	None.
Hazardous reactions:	None.
Chemical stability :	Stable under recommended storage conditions.
Conditions to avoid:	Do not mix with other chemicals.
Incompatible materials :	Strong acids and bases, hypochlorite and ammonia, oxidizing agents.
Hazardous decomposition products :	May include and are not limited to: Oxides of carbon.

11. Toxicological Information

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

12. Ecological Information

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

13. Disposal Considerations

Disposal instructions : Dispose in accordance with all applicable regulations.

Waste from residues : Not available.

Contaminated packaging : Not available.

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated.

International transportation: IMDG/IATA/ADNR

Not regulated.

15. Regulatory Information

Canadian federal regulations :

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

This product is controlled by the WHMIS.

WHMIS classification: Not regulated.

HAZARDOUS PRODUCT ACT SOR/88-66 P.C. 1987-2721 (Current to May 17, 2011) :

Not regulated.

US Federal regulations :

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

Occupational Safety and Health Administration (OSHA) :

29 CFR 1910.1200 hazardous chemicals No.

CERCLA (Superfund) reportable quantity: None

Hazard categories: Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

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.

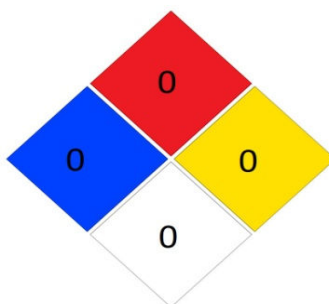
Inventory name

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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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.