

SAFETY DATA SHEET



In accordance with the Hazardous Products Regulations (HPR), as amended on December 15, 2022

INO BIO 4 AT USE DILUTION

SECTION 1: IDENTIFICATION

Product identifier	INO BIO 4 AT USE DILUTION
Other Means of Identification	15395 / 15398 / 16451 / 16766 / 17173
Recommended Use	Power Degreaser
Restrictions on Use	Not available
Initial Supplier Identifier	
Name	INO SOLUTIONS
Address	9280 Boul Du Golf Anjou, Québec, H1J 3A1
Telephone	1-888-466-7658
Contact email	www.inosolutions.net
Emergency telephone number	Quebec Centre antipoison (24 h service) Quebec: (418) 656-8090 - Other regions: 1 800 463-5060

SECTION 2: HAZARDS IDENTIFICATION

Product classification

GHS Classification in accordance with the Hazardous Products Regulations (HPR), as amended on December 15, 2022

This product, at use dilution, is not classified as hazardous under the Hazardous Products Regulations (HPR), as amended on December 15, 2022.

GHS label elements

Symbol(s)	None
Signal word	None
Hazards	None
Precautionary statements	
Prevention	None
Response	None
Storage	None
Disposal	None
Other hazards	None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	(%) (w/w)	Common name / Synonyms	Other identifiers
Alcohols, C12-16, ethoxylated	68551-12-2	< 1	-	-

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In accordance with the Hazardous Products Regulations (HPR), as amended on December 15, 2022

Cocamidopropyl Betaine	61789-40-0	< 1	-	-
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Chemical nature: Aqueous cleaning product.

Note: Concentration range provided to protect proprietary formulation details.

SECTION 4: FIRST-AID MEASURES

Inhalation: Based on available data, no irritation or harmful effects have been observed under normal conditions of use (at the recommended use dilution).

Skin contact: Wash thoroughly with soap and water. Consult a physician if skin irritation occurs.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation occurs.

Ingestion: Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.

Most Important Symptoms and Effects, Acute and Delayed

Symptoms: No known harmful effects or irritation under normal conditions of exposure.

Effects: No data available suggesting additional acute or delayed effects under these conditions.

Immediate Medical Attention and Special Treatment: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: This product is neither flammable nor combustible. In case of fire involving this product, use extinguishing media suitable for the surrounding fire conditions.

Unsuitable extinguishing media: Data not available.

Special hazards arising from the product: During combustion, the product may release irritating or toxic fumes or vapours (e.g. carbon oxides, irritating vapours).

Special Protective Equipment and Precautions for Fire-Fighters: Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: No special protective equipment is required under normal conditions of use. Wearing gloves or safety goggles may be considered during prolonged handling or in case of potential direct contact.

Methods for Containment and Cleaning Up: Clean contaminated areas immediately. Contain and absorb with inert material. Wash the area thoroughly with plenty of water. Avoid release to the environment.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes. Wash hands thoroughly after use.

Conditions for safe storage: Store in a cool, dry, and well-ventilated area away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limit values: Not applicable

Appropriate engineering controls: Not applicable

Individual Protection Measures

Eye/face protection : Wearing safety glasses is generally not required under normal conditions of use.

Skin protection: Wearing gloves is generally not required under normal conditions of use. Wash hands thoroughly after handling.

Respiratory protection: No respiratory protection is required under normal conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Yellow
Odour	Fresh mint
Melting point and freezing point	0°C
Boiling point or initial boiling point and boiling range	100°C
Flammability	Non-flammable
Upper and lower flammability or explosive limit	Not applicable
Flash point	> 93°C
Auto-ignition temperature	Not applicable
Decomposition temperature	Data not available
pH	7.0 - 8.0
Kinematic viscosity	< 10 cSt
Solubility	Soluble in water
Partition coefficient, n-octanol / water (log K _{ow})	Data not available
Vapour pressure	Data not available
Density and relative density	1.00 - 1.02
Relative vapour density	Data not available
Particle characteristics	Data not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No dangerous reactivity known.

Chemical stability: Stable under normal conditions of use and storage.

Possibility of hazardous reactions: No hazardous reactions known.

Conditions to avoid: Avoid heat and direct sunlight to preserve product quality.

Incompatible materials: No known incompatible materials.

Hazardous decomposition products: Carbon oxides produced during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

Inhalation Skin contact Eye contact Ingestion

Acute toxicity: Not classified (criteria for classification not met).

LD50 (oral, rat) > 5000 mg/kg (calculated data)

LD50 (dermal, rat) > 5000 mg/kg (calculated data)

Skin corrosion/irritation: Not classified (criteria for classification not met).

Serious eye damage/eye irritation: Not classified (criteria for classification not met).

STOT (Specific Target Organ Toxicity) - Single Exposure: Not classified (criteria for classification not met).

STOT (Specific Target Organ Toxicity) - Repeated Exposure: Not classified (criteria for classification not met).

Respiratory and/or skin sensitization: Not classified (criteria for classification not met).

Carcinogenicity: No ingredient listed by IARC, ACGIH, or OSHA. Not classified (criteria for classification not met).

Reproductive toxicity: Not classified (criteria for classification not met).

Germ cell mutagenicity: Not classified (criteria for classification not met).

Interactive effects: No known or expected interactive effects between components.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Acute toxicity, LC50 (calculated): > 1000 mg/L

Persistence and degradability: Ingredients are readily biodegradable according to OECD Test Guideline 301 methods.

Bioaccumulative potential: Data not available.

Mobility in soil: Data not available.

Other adverse effects: Data not available.

This product does not present a significant risk to the environment under normal conditions of use.

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In accordance with the Hazardous Products Regulations (HPR), as amended on December 15, 2022

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of contents and container in accordance with local and regional regulations. Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The product is not regulated for transport by ground (TDG), air (IATA), or sea (IMDG).

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations: This Safety Data Sheet has been prepared to meet the requirements of the Hazardous Products Regulations (HPR) under the Hazardous Products Act (HPA), as amended on December 15, 2022. It does not address any regulatory requirements outside of Canada.

SECTION 16: OTHER INFORMATION

Created by: InnuScience Group Inc.

Telephone: +1 450-922-4666

Date of issue: April 3rd 2018

Revision date: November 21st 2025

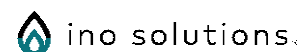
Version: 4

This version replaces all previous editions.

Disclaimer:

The information contained in this Safety Data Sheet is based on the current state of our knowledge and applies to the product as delivered. It does not constitute a guarantee of specific properties. The user is responsible for ensuring that their practices comply with applicable regulations.

SAFETY DATA SHEET



In accordance with the Hazardous Products Regulations (HPR), as amended on December 15, 2022

INO BIO 4 CONCENTRATE

SECTION 1: IDENTIFICATION

Product identifier	INO BIO 4 CONCENTRATE
Other Means of Identification	15395 / 15398 / 16451 / 16766 / 17173
Recommended Use	Power Degreaser
Restrictions on Use	Not available
Initial Supplier Identifier	
Name	INO SOLUTIONS
Address	9280 Boul Du Golf Anjou, Québec, H1J 3A1
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Emergency telephone number	Quebec Centre antipoison (24 h service) Quebec: (418) 656-8090 - Other regions: 1 800 463-5060

SECTION 2: HAZARDS IDENTIFICATION

Product classification

GHS Classification in accordance with the Hazardous Products Regulations (HPR), as amended on December 15, 2022

Serious eye damage / Eye irritation Category 2B

GHS label elements

Symbol(s)	None
Signal word	WARNING
Hazards	Causes eye irritation.

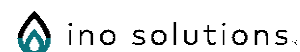
Precautionary statements

Prevention	Wash hands thoroughly after handling.
Response.	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 attention.
Storage	None
Disposal	None
Other hazards	None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	(%) (w/w)	Common name / Synonyms	Other identifiers
Alcohols, C12-16, ethoxylated	68551-12-2	1 - 5	-	-
Cocamidopropyl Betaine	61789-40-0	1 - 3	-	-

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Chemical nature: Aqueous cleaning product.

Note: Concentration range provided to protect proprietary formulation details.

SECTION 4: FIRST-AID MEASURES

Inhalation: Based on available data, no irritation or harmful effects have been observed under normal conditions of use. If you feel unwell, move the person to fresh air and consult a physician if symptoms persist.

Skin contact: Wash immediately with plenty of water. Although skin corrosion/irritation is *not classified*, if redness or discomfort develops, seek medical advice or contact a Poison Centre.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if the person is wearing them and if they can be easily removed. Continue rinsing. If eye irritation persists, consult a doctor.

Ingestion: Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.

Most Important Symptoms and Effects, Acute and Delayed

Symptoms Burning or stinging sensation in the eyes.

Data Effects Not Available

Immediate Medical Attention and Special Treatment: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: This product is neither flammable nor combustible. In case of fire involving this product, use extinguishing media suitable for the surrounding fire conditions.

Unsuitable extinguishing media: Data not available.

Special hazards arising from the product: During combustion, the product may release irritating or toxic fumes or vapours (e.g. carbon oxides, irritating vapours).

Special Protective Equipment and Precautions for Fire-Fighters: Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment for cleaning (protective gloves and safety goggles).

Methods for Containment and Cleaning Up: Clean contaminated areas immediately. Contain and absorb with inert material. Wash the area thoroughly with plenty of water. Avoid release to the environment.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes. Wash hands thoroughly after handling.

Conditions for safe storage: Store in a cool, dry, and well-ventilated area away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limit values: Not applicable

Appropriate engineering controls: Not applicable

Individual Protection Measures

Eye/face protection: No eye protection is required in general.

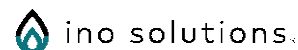
Skin protection: No hand protection is required in general. Wash hands thoroughly after handling.

Respiratory protection: No respiratory protection is required under normal conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
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In accordance with the Hazardous Products Regulations (HPR), as amended on December 15, 2022

Colour	Yellow
Odour	Fresh mint
Melting point and freezing point	0°C
Boiling point or initial boiling point and boiling range	100°C
Flammability	Non-flammable
Upper and lower flammability or explosive limit	Not applicable
Flash point	> 93°C
Auto-ignition temperature	Not applicable
Decomposition temperature	Data not available
pH	7.2 - 7.7
Kinematic viscosity	< 10 cSt
Solubility	Soluble in water
Partition coefficient, n-octanol / water (log K _{ow})	Data not available
Vapour pressure	Data not available
Density and relative density	1.01 - 1.03
Relative vapour density	Data not available
Particle characteristics	Data not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No dangerous reactivity known.

Chemical stability: Stable under normal conditions of use and storage.

Possibility of hazardous reactions: No hazardous reactions known.

Conditions to avoid: Avoid heat and direct sunlight to preserve product quality.

Incompatible materials: No known incompatible materials.

Hazardous decomposition products: Carbon oxides produced during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

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Acute toxicity: Not classified (criteria for classification not met).

LD50 (oral, rat) > 5000 mg/kg (calculated data)

LD50 (dermal, rat) > 5000 mg/kg (calculated data)

Skin corrosion/irritation: Not classified (criteria for classification not met).

Serious eye damage/eye irritation: The product is classified as irritant according to the OECD method 405.

STOT (Specific Target Organ Toxicity) - Single Exposure: Not classified (criteria for classification not met).

STOT (Specific Target Organ Toxicity) - Repeated Exposure: Not classified (criteria for classification not met).

Respiratory and/or skin sensitization: Not classified (criteria for classification not met).

Carcinogenicity: No ingredient listed by IARC, ACGIH, or OSHA. Not classified (criteria for classification not met).

Reproductive toxicity: Not classified (criteria for classification not met).

Germ cell mutagenicity: Not classified (criteria for classification not met).

Interactive effects: No known or expected interactive effects between components.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Acute toxicity, LC50 (calculated): 10 – 100 mg/L

Persistence and degradability: Ingredients are readily biodegradable according to OECD Test Guideline 301 methods.

Bioaccumulative potential: Data not available.

Mobility in soil: Data not available.

Other adverse effects: Data not available.

This product does not present a significant risk to the environment under normal conditions of use.

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