

NU-BIO SCRUB

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	NU-BIO SCRUB
Product code	ISEU-016-02 (Concentrate)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Descaler and Cleaner for Soap Scum and Scale Residues
Uses advised against	Not available

1.3. Details of the supplier of the safety data sheet

Name	Innu-Science Canada Inc.
Address	1777 Nobel Boulevard, local F Ste-Julie, QC, J3E 1Z6, Canada
Telephone	1 450-922-4666
Telefax	1 450-922-7776
Contact email	ali.kademi@innuscience.com

1.4. Emergency telephone number

Telephone	United Kingdom : NHS Direct: +44 0845 4647
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Eye Irrit. 2	H319 Causes serious eye irritation.
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2.2. Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Danger symbol



Signal word

Warning

Hazard statements (H)

H319 Causes serious eye irritation.

Additional label element

Prevention statements

P280 Wear eye protection.
P264 Wash hands thoroughly after handling.

Response statements

P337+P313 If eye irritation persists: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage statements

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Disposal statements

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2.3. Other hazards

Not available

SECTION 3 : Composition/information on ingredients

Nom	(%)	Classification	Specific concentration limits
Alcohols, C12-16, ethoxylated (>1 <2.5 mol EO) N°CAS: 68551-12-2 N°EC: 500-221-7 N°IDX:	1% ≤ C ≤ 3%	Acute Tox. 4: H302 Eye Dam. 1: H318 Aquatic Chronic 3: H412	-
L-(+)-lactic acid N°CAS: 79-33-4 N°EC: 201-196-2 N°IDX:	15% ≤ C ≤ 20%	Eye Dam. 1: H318 Skin Irrit. 2: H315	-
Alcohols, C9-C11, ethoxylated N°CAS: 68439-46-3 N°EC: N°IDX:	1% ≤ C ≤ 3%	Skin Irrit. 2: H315 Eye Dam. 1: H318 Aquatic Chronic 3: H412	-

Pour le texte complet des Phrases-H mentionnées dans cet article, voir Section 16.

SECTION 4 : First aid measures

4.1. Description of first aid measures

General information	If you feel unwell, call a doctor or poison control center
Following inhalation	Move victim to fresh air. Consult a physician if you feel unwell .
Following skin contact	Rinse immediately with water and soap. If skin irritation occurs, get medical advice .
Following eye contact	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/attention.
Following ingestion	Get medical advice if you feel unwell.
For emergency responders	No data available

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	No data available
Effects	No data available

4.3. Indication of any immediate medical attention and special treatment needed

Treat according to symptoms

SECTION 5 : Firefighting measures

5.1. Extinguishing media

Appropriated : foam, carbon dioxide, chemical powder

Inappropriated : No data available



5.2. Special hazards arising from the substance or mixture

No data available

5.3. Advice for firefighters

In case of fire: Wear appropriate apparatus of breathing and protective clothing

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate unprotected persons from the danger area.
Use required personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Clean contaminated sites immediately.

6.4. Reference to other sections

Refer to sections: 7 safe handling, 8 for personal protective equipments, 13 for disposal

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid contact with eyes.
Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in a suitable location away from incompatible substances.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Components with critical values that require monitoring at the workplace (DE)

Substance	VME, 8 hours (France)		VLE, 15 minutes (France)		VME, 8 hours (United Kingdom)		VLE, 15 minutes (United Kingdom)	
	ppm	mg.m ⁻³	ppm	mg.m ⁻³	ppm	mg.m ⁻³	ppm	mg.m ⁻³

8.2. Exposure controls

Appropriate engineering controls

Local exhaust ventilation may be necessary to prevent airborne contaminants exceed their exposure limits.

Eye/face protection : Safety glassesSkin/hand protection : Chemical resistant gloves /Respiratory protection : No respiratory protection is required in general

Thermal hazards : No data available

Hygiene measures : Do not drink, eat or smoke near the product. Wash hands before and after handling.

Environmental exposure controls Avoid release to the environment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	Pink
Odour	Fresh
Odor threshold	No data available
pH	3.0 – 3.5
Melting / Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Lower limit of flammability or explosive	No data available
Upper limit of flammability or explosive	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.05 – 1.10
Water solubility	Easily soluble in water
Solubility in other Solvents	No data available
Log Kow	No data available
Auto-inflammability temperature	No data available
Decomposition temperature	No data available
Viscosity	< 10 cP
Explosive properties	No data available
Oxidizing properties	No data available

9.2. Other information

Cinematic viscosity No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Under normal conditions of stock and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Avoid heat and the direct sunlight

10.5. Incompatible materials

Strong alkali

10.6. Hazardous decomposition products

Under normal conditions of stock and use, hazardous reactions will not occur.

SECTION 11: Toxicological information

Acute toxicity	No data available
Skin corrosion	No data available
Eye damage	Irritant to eyes Not corrosive to eyes according to the method OECD 438
Respiratory sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Toxic for reproduction	No data available
Unique specific toxicity	No data available
Repeated specific toxicity	No data available
Aspiration hazard	No data available
Other information	Practical experience: None General information: The classification was made according to the assessment procedure for preparations.

SECTION 12: Ecological information

12.1. Toxicity	Acute toxicity (concentrate), LC50 (calculated): > 100 mg/l Acute toxicity (at dilution rate), LC50 (calculated): > 1000 mg/l
12.2. Persistence and degradability	The organic ingredients are readily biodegradable according to the OECD 301 methods
12.3. Bioaccumulative potential	Not available
12.4. Mobility in soil	Not available
12.5. Results of PBT and vPvB assessment	Not available
12.6. Other adverse effects	Not available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Dispose in accordance with local and national regulations

13.2. Waste code numbers/Waste identification

No data available



SECTION 14: Transport information

Not regulated

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation : EU REACH : Registered substances

Substance	CAS	EC
L-(+)-lactic acid	79-33-4	201-196-2
Alcohols, C9-C11, ethoxylated	68439-46-3	-

Regulation : EU Biocidal products Regulation 528/2012 : Status of AS/PT

Substance	CAS	EC
L-(+)-lactic acid	79-33-4	201-196-2

Regulation : EU Biocidal products Regulation 528/2012 : List of approved suppliers

Substance	CAS	EC
L-(+)-lactic acid	79-33-4	201-196-2

Regulation : US : Toxic Substances Control Act Inventory List (TSCA)

Substance	CAS	EC
Alcohols, C12-16, ethoxylated (>1 <2.5 mol EO)	68551-12-2	500-221-7
L-(+)-lactic acid	79-33-4	201-196-2
Alcohols, C9-C11, ethoxylated	68439-46-3	-

Regulation : WORLD : International Fragrance Association List (IFRA List)

Substance	CAS	EC
Alcohols, C12-16, ethoxylated (>1 <2.5 mol EO)	68551-12-2	500-221-7
L-(+)-lactic acid	79-33-4	201-196-2
Alcohols, C9-C11, ethoxylated	68439-46-3	-

Regulation : CA : Domestic Substances List (DSL)

Substance	CAS	EC
Alcohols, C12-16, ethoxylated (>1 <2.5 mol EO)	68551-12-2	500-221-7
L-(+)-lactic acid	79-33-4	201-196-2
Alcohols, C9-C11, ethoxylated	68439-46-3	-

Regulation : CN : China IECSC 2013

Substance	CAS	EC
Alcohols, C12-16, ethoxylated (>1 <2.5 mol EO)	68551-12-2	500-221-7
L-(+)-lactic acid	79-33-4	201-196-2
Alcohols, C9-C11, ethoxylated	68439-46-3	-

Regulation : JP : Japan : CSCL Existing Chemical Substances

Substance	CAS	EC
L-(+)-lactic acid	79-33-4	201-196-2

Regulation : CA : Cosmetic Ingredient Hotlist

Substance	CAS	EC
L-(+)-lactic acid	79-33-4	201-196-2

15.2. Chemical safety assessment

No data available



SECTION 16: Other information**16.1. Indication of changes (Additions, Deletions, Revisions)**

Creation date: 14/08/15

Revision date:

Indication on changes: No data available

16.2. Key or legend to abbreviations and acronyms

ADN / ADNOR: Regulations concerning the transport of dangerous substances in barges on the waterways.

ADR / RID: European Agreement concerning the international carriage of dangerous goods by road / Regulations concerning the international carriage of dangerous goods by rail.

Chemical Abstract Service Number: CAS

CLP: Classification, Label, Package

VOC: Volatile Organic Compounds

DSD: Dangerous Substances Directive

DPD: Dangerous Preparations Directive

N°EC: European Commission Number

PPE: Personal Protective Equipment

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods code

PBT: Persistent, bioaccumulative, toxic

UN: UN Number

UVCB: Substances of Unknown or Variable composition, Complex reaction products or Biological materials

vPvB: Very Persistent, very Bioaccumulative

16.3. Key literature references and sources for data

No data available

16.4. Procedure used to derive the classification according to regulation (EC) n°1272/2008 (CLP)

Classification of the mixture is consistent with the method of valuation of Directive 1272/2008/EC

16.5. List of relevant hazard statements and/or precautionary statements. (Full text of any statements which are not written out in full under section 2 to 15)

Risk phrases (R): Not applicable

Hazard statements (H):

H302 : Harmful if swallowed.

H315 : Causes skin irritation.

H318 : Causes serious eye damage.

H412 : Harmful to aquatic life with long lasting effects.

16.6. Advice on any training appropriate for workers to ensure protection of human health and the environment

No data available

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.