



Innu-Science
Nature Powered

MATERIAL SAFETY DATA SHEET

NU-BIOSCRUB™
(Concentrate)

1. Product and Company Identification

Substance/Preparation Identification

Product Name : Nu-BioScrub™
IS Code : ISEU-016-01
Description : Scrub-free cleaner for soap scum and scale residue.
Manufacturer : Innu-Science Canada
1777, boul. Nobel, local F
Ste-Julie (Quebec)
Canada
Tel: 1-450-922-4666
Fax: 1-450-922-7776
Emergency Phone Number : UK National Poisons Emergency number: +44 (0) 845 4647

2. Hazards Identification

This preparation is classified as hazardous according to European Directive 1999/45/EC and its amendments.

Classification : Irritating to eyes

3. Composition and Information on Ingredients

Substance/Preparation :

Ingredient Name	CAS #	%	CE #	Classification
Alcohol Ethoxylate C9-C11	68439-46-3	0.5 – 1	Not available	Xn; R22, R41
Alcohol Ethoxylate C12-C16	68551-12-2	0.5 – 1	Not available	Xn; R22, R41
Lactic Acid	79-33-4	5 – 10	Not available	Xi; R38, R41

4. First Aid Measures

Eye Contact : In case of contact with eyes, rinse immediately with plenty of water for several minutes. Consult a physician if symptoms develop.

Skin Contact : Wash with water. Consult a physician if symptoms develop.

Ingestion : Do not induce vomiting. Do not give anything by mouth to an unconscious person. Consult a physician if symptoms appear.

Inhalation : In If discomfort occurs, move victim to fresh air. Consult a physician if symptoms appear.

5. Fire Fighting Measures; Fire and Explosion Prevention

Suitable Extinguishing Media : Use extinguishing media appropriate for the surrounding materials.
Unsuitable Media : None known.
Specific Risks Related to Exposure to the Product : Container could explode at high temperatures.

6. Accidental Release Measures

Personal Precautions : Avoid direct contact with eyes.
Environmental Precautions : Avoid spreading discharged product and keep it from spilling or coming in contact with the ground, waterways, drains and vents.
Cleaning Methods : Stop a spill if doing so poses no risk. Keep spills contained and soak them up with non-combustible, absorbent materials such as sand, earth, vermiculite or diatomite. Then place them in a container for disposal in accordance with local regulations (see Section 13). Finish cleaning by rinsing the surface with plenty of water and drain to foul drain.

7. Handling, Use and Storage Precautions

Handling : Wear appropriate personal protective equipment (see Section 8). Do not ingest the product and avoid direct contact with eyes and skin. Store in the original container or in an approved substitute container that is kept hermetically sealed when not in use. Do not reuse this container.
Storage : Store in accordance with local regulations. Store in the original container in a dry, cool, well-ventilated area away from direct sunlight and incompatible materials (see Section 10). Keep the container hermetically sealed when the product is not in use. Once opened, containers should be resealed carefully and kept in a vertical position to avoid spills. Do not store in unlabelled containers.
Recommended Packaging Material : Use the original container.

8. Exposure Controls and Personal Protection

Exposure Limit Values : Not available.
Exposure Controls
Occupational Exposure Controls : No particular ventilation required. Good general ventilation should be sufficient to control the technician's exposure to airborne contaminants.
Eye Protection : Safety glasses (CE standard EN166)



Skin Protection : No particular protection required.
Respiratory Protection : No respiration system required under normal conditions of use.
Hand Protection : No particular protection required.
Hygiene : No particular practice required.

9. Physical and Chemical Properties

General Information

Description

Form : Liquid
Colour : Purple
Odour : Citrus

Important Health, Safety and Environmental Security Information

pH : 3.00 – 5.00
Solubility : Easily soluble in cold water.
Flash Point : Not available.
Relative Density : 1.020 – 1.040
Viscosity : <5.00 cP

10. Stability and Reactivity Information

Stability : The product is stable.
Substances to Avoid : Keep away from incompatible substances such as strong acids and bases, hypochlorite (bleach) and ammonia.
Hazardous Decomposition Products : Under normal storage and use conditions, there should be no hazardous decomposition products.

11. Toxicological Information

Potential Severe Health Effects

Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.
Skin Contact : No known significant effects or critical hazards.
Eye Contact : See Section 15.

Potential Chronic Health Effects

Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Toxicity to Reproduction : No known significant effects or critical hazards.

Overexposure Signs/Symptoms

Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.
Skin : No known significant effects or critical hazards.

12. Ecotoxicological Information

Ecotoxicity in an Aquatic Environment

Persistence/Degradability

Mobility : Non hazardous for aquatic life.
All components are readily biodegradable (OCDE, series 301)

13. Disposal Considerations

Waste Disposal : Avoid creating or minimize waste. All packaging material for this product is recyclable. Dispose of excess products with an authorized waste collection provider. Disposal of this product and its solutions and by-products should always be in accordance with regulations on environmental protection and waste disposal, as well as the regulations of all local authorities.

Hazardous Waste : To the supplier's current knowledge, this product is not considered hazardous waste as defined by Directive EU 91/689/EEC.

14. Transportation Information

Regulatory Information

UN/IMDG/IATA/ADNR/ADR : Not regulated.

15. Regulatory Information

European Union Regulations

Symbol : 

Hazard Indicator : Xi Irritant

Risk Phrases : R36 Irritating to eyes.

Safety Phrases : S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Product Use : Industrial applications.

Other EU Regulations

Additional Warning Phrase : KEEP out of the reach of children!

16. Other Information

Full text of Risk Phrases found in Sections 2 and 3 : R41- Risk of serious damage to eyes.
R38- Irritating to skin.
R22- Harmful if swallowed.

Full text of Classifications found in Sections 2 and 3 : Xi - Irritant
Xn- Harmful

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its sub-contractors assumes any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material or preparation is the responsibility of the user. All materials and preparations may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.