

## 1. IDENTIFICATION

### 1.1. PRODUCT IDENTIFICATION

Name : Nu-Action 3 (concentrate)  
Description : Cleaner and super degreaser  
IS Code : ISEU-132-01/ISEU-132-05

### 1.2. SUPPLIER IDENTIFICATION

Manufacturer : Innu-Science Canada Inc  
Adress : 1777 Boulevard Nobel, Local F  
Sainte-Julie, QC, CANADA, J3E 1Z6  
Phone : (450) 922-4666  
Fax : (450) 922-7776  
Contact (CAN): Marie-Lyne Gauvin  
Email : [ml.gauvin@innu-science.com](mailto:ml.gauvin@innu-science.com)  
Internet : <http://www.innu-science.com>

### 1.3. EMERGENCY PHONE NUMBER

UK National Poisons Emergency number:  
44 (0) 845 4647

## 2. HAZARDS IDENTIFICATION

### 2.1. CLASSIFICATION OF MIXTURE ACCORDING TO THE REGULATION 1272/2008/EC

Pictogram :



Signal Word : Caution  
Hazards : H319 : Causes serious eyes irritation.  
Precautions : P264 : Wash hands thoroughly after use.  
P280 : Wear protective gloves (nitril or latex)/protective clothing/eye protection (safety glasses)/face protection.  
First aids : P305 + P351 + P338 + P337 + P313  
If comes into 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  
Includes : Alcohol ethoxylated C12-C16, cocamidopropyl betain

# MATERIAL SAFETY DATA SHEET

Nu-Action 3 (Concentrate)

ISEU-132-01/ISEU-132-05



## 2.2. CLASSIFICATION OF MIXTURE ACCORDING TO THE 1999/45/CE REGULATION

Pictogram :



Signal Word : Irritant

Classification : R36 : Irritating to eyes

Safety phrases: S2 + S25 + S26 + S39 + S50.

Keep out of the reach of children. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear safety glasses. Do not mix different cleaners. Avoid inhaling sprayed product. Seek medical advice if symptoms appear.

Includes : Alcohol ethoxylated C12-C16, cocamidopropyl betain

## 3. COMPOSITION / INFORMATIONS ON INGREDIENTS

### 3.1. COMPOSITION ACCORDING TO THE CLP REGULATION (1272/2008/EC)

Name of ingredients	EINEC number	Regnr	CAS number	Concentration (%)	Pictogram	H-Phrases	Category
Cocamidopropyl Betain	274-923-4		70851-07-9	1 - 5	GHS07	H319	Eye irritant 2 (H319)
Alcohol ethoxylated C12-C16	500-221-7		68551-12-2	5 -10	GHS07	H302 H319	Acute tox. 4 (H302) Eye irritant 2 (H319)

For full text, see section 16.

### 3.2. COMPOSITION ACCORDING TO REGULATION (67/548/CE)

Name of ingredients	EINEC number	CAS number	Concentration (%)	Symbol	R-Phrases
Cocamidopropyl Betain	274-923-4	70851-07-9	1 - 5	Xi	R36
Alcohol ethoxylated C12-C16	500-221-7	68551-12-2	5 -10	Xn, Xi	R22, R41

For full text, see section 16.

## 4. FIRST AID MEASURES

- |      |                       |   |
|------|-----------------------|---|
| 4.1. | <b>Eyes contact :</b> | Check for and remove contact lenses. In case of contact with eyes, rinse immediately with plenty of water for several minutes. Consult a physician if symptoms develop. |
| 4.2. | <b>Skin contact :</b> | Wash with water. Consult a physician if symptoms develop.   |
| 4.3. | <b>Ingestion :</b>    | Do not induce vomiting. Do not give anything by mouth to an unconscious person. Consult a physician if symptoms appear.   |
| 4.4. | <b>Inhalation :</b>   | In the event of inhalation, move the person to fresh air. Consult a physician if symptoms appear.   |

## 5. FIRE FIGHTING MEASURES

- |      |                                       |   |
|------|---------------------------------------|---|
| 5.1. | <b>Suitable Extinguishing Media :</b> | Use extinguishing media appropriate for the surrounding materials.  |
| 5.2. | <b>Unsuitable Media :</b>             | None known.   |
| 5.3. | <b>Specific Risks :</b>               | The increase in pressure resulting from fire or exposure to high temperatures can cause the container to explode. |

## 6. ACCIDENTAL RELEASE MEASURE

- |        |                                    |  |
|--------|------------------------------------|--|
| 6.1.   | <b>Personal Precautions :</b>      | Avoid direct contact with eyes.  |
| 6.2.   | <b>Environmental Precautions :</b> | Avoid spreading discharged product and keep it from spilling or coming in contact with the ground, waterways, drains and vents.  |
| 6.2.1. | <b>Cleaning Methods :</b>          | 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). |

## 7. HANDLING, USE AND STORAGE

- 7.1. 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.
- 7.2. 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.
- 7.3. Packaging :** Use the original container.

## 8. EXPOSURE CONTROL AND PERSONNAL PROTECTION

- 8.1. Exposure limit values :** Not available.
- 8.2. Occupationnal exposure controls :**  
No particular ventilation required. Good general ventilation should be sufficient to control the technician's exposure to airborne contaminants.
- 8.3. Eyes protection :** Safety glasses
- 8.4. Skin protection :** No particular protection required.
- 8.5. Respiratory protection :**  
No respiration system required under normal conditions of use.
- 8.6. Hand protection :** The wearing of protective gloves (latex, nitril) is suggested if the product is used over a long period.
- 8.7. Hygiene :** Wash hands thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1.	<b>Form :</b>	Liquid
9.2.	<b>Colour :</b>	Green
9.3.	<b>Odour :</b>	Citrus
9.4.	<b>pH :</b>	7,40 – 7,70
9.5.	<b>Solubility :</b>	Easily soluble in cold water
9.6.	<b>Flash point :</b>	Not available
9.7.	<b>Relative density :</b>	1,010 -1,015
9.8.	<b>Viscosity :</b>	1,00 – 5.00 cP.

## 10. STABILITY AND REACTIVITY INFORMATION

- 10.1. **Stability :** The product is stable.
- 10.2. **Substance to avoid :** None.
- 10.3. **Hazardous decomposition :**  
Under normal storage and use conditions, there should be no hazardous decomposition products.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Potential severe health effect

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

### 11.2. Potential chronic health effect

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.

### 11.3. Overexposure signs/symptoms

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.

## 12. ECOTOXICOLOGICAL INFORMATION

### 12.1. Persistence, degradability and mobility

Non hazardous to aquatic life. All components are readily biodegradable (OCDE 301).

## 13. DISPOSAL CONSIDERATION

### 13.1. Waste disposal :

Avoid creating or minimize waste. Dispose of excess and non-recyclable 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.

### 13.2. 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

### 14.1. Regulatory information

UN/IMDG/IATA/ADNR/ADR :

Not regulated.

## 15. REGULATORY INFORMATION



### 15.1. Regulation/Legislation on substance :

Safety and classification according to the CLP (Regulation 1272/2008/EC and Regulation 453/2010EC, Annexe I) and 1999/45/CE and its amending.

# MATERIAL SAFETY DATA SHEET

Nu-Action 3 (Concentrate)

ISEU-132-01/ISEU-132-05

CLP (1272/2008/EC)		1999/45/CE	
Symbol :	HGS07 	Xi 	
Hazard identification :	Caution	Irritating	
Hazard phrases :	H319	R36	
Safety precautions :	P264-P280-P305-P313- P337-P338-P351	S2-S25-S26-S39-S50	

15.2. Product use : Industrial applications

15.3. Additional warning : **KEEP out of the reach of children !**

## 16. OTHER INFORMATION

16.1. Full text of sections 2,3 and 15 :

Section 2 :

- H319 :** Cause serious eyes irritation
- P264 :** Wash hands thoroughly after use.
- P280 :** Wear protective gloves (nitril or latex)/protective clothing/eye protection (safety glasses)/face protection.
- P305:** If comes into eyes (...)
- P351:** Rinse cautiously with water for several minutes.
- P338:** Remove contact lenses if present and easy to do. Continue rinsing.
- P337:** If eye irritation persists (...)
- P313 :** Get medical advice/attention
- R36 :** Irritating to eyes.
- S2:** Keep out of the reach of children.
- S25 :** Avoid contact with eyes.
- S26 :** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S39:** Wear eye/face protection
- S50:** Do not mix with (...)

**Sections 3 and 15 :**

<b>H302 :</b>	Harmful if swallowed.
<b>H319 :</b>	Causes serious eyes irritation.
<b>P305:</b>	If comes into eyes (...)
<b>P351:</b>	Rinse cautiously with water for several minutes.
<b>P338:</b>	Remove contact lenses if present and easy to do. Continue rinsing.
<b>P337:</b>	If eye irritation persists (...)
<b>P313 :</b>	Get medical advice/attention
<b>Xn :</b>	Harmful
<b>Xi :</b>	Irritant
<b>R22 :</b>	Harmful if swallowed.
<b>R36 :</b>	Irritating to eyes.
<b>R41 :</b>	Risk of serious damage to eyes.
<b>S2:</b>	Keep out of the reach of children.
<b>S25 :</b>	Avoid contact with eyes.
<b>S26 :</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>S39:</b>	Wear eye/face protection
<b>S50:</b>	Do not mix with (...)

**16.2. Notice to the 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.