

Conformément au règlement sur les produits dangereux (RPD)

DL50 > 5000 mg/Kg (orale/rat) (donnée calculée)

DL50 > 5000 mg/Kg (cutanée/rat) (donnée calculée)

Irritation et corrosion de la peau : Provoque de graves brûlures de la peau.

Irritation et lésions oculaires graves : Provoque de graves lésions des yeux.

Sensibilisation respiratoire ou cutanée : Non classé (les critères de classification ne sont pas remplis).

Toxicité pour certains organes cibles : Non classé (les critères de classification ne sont pas remplis).

Cancérogénicité : Non classé (les critères de classification ne sont pas remplis).

Toxique pour la reproduction : Non classé (les critères de classification ne sont pas remplis).

Mutagénicité sur les cellules germinales : Non classé (les critères de classification ne sont pas remplis)

SECTION 12: DONNÉES ÉCOLOGIQUES

Écotoxicologie aquatique : Toxicité aiguë, CL50 (calculée) : 10 - 100 mg/l

Écotoxicologie terrestre : Pas de données

Persistance et dégradation : Les ingrédients organiques sont facilement biodégradables selon les méthodes 301 de l'OCDE.

Potentiel de bioaccumulation : Non disponible

Mobilité dans le sol : Non disponible

Autres effets néfastes : Non disponible

SECTION 13: DONNÉES SUR L'ÉLIMINATION

Élimination des résidus : Éliminer le contenu ou le récipient selon les recommandations du bureau régional de l'autorité environnementale ayant juridiction.

SECTION 14: INFORMATIONS RELATIVES AU TRANSPORT

Le produit est réglementé pour le transport terrestre (TMD, DOT), aérien (IATA) et maritime (IMDG).

Numéro ONU: UN2491

Appellation réglementaire : Éthanolamine en solution

Classe de danger : 8

Groupe d'emballage : III

Quantité limitée : 5 litres

Dangers environnementaux : Sans objet

SECTION 15: INFORMATIONS SUR LA RÉGLEMENTATION

La classification du produit et la Fiche de données de sécurité ont été élaborées conformément au RPD.

SECTION 16: AUTRES INFORMATIONS

Fiche rédigée par : Innu-Science Canada Inc.

Tél. : +1 450-922-4666

Date d'émission : 15 décembre 2017

Date de révision : 22 février 2018

NU-ENERGIKÄ™ AT USAGE RATE

SECTION 1: IDENTIFICATION

Product name	NU-ENERGIKÄ™ AT USAGE RATE
Product codes	15632 / 15955 / 16312
Uses	Ecological floor stripper
Restricted use	Not available
Supplier	
Name	Innu-Science Canada Inc.
Address	1777, rue Nobel, suite F Sainte-Julie (Québec), J3E 1Z6, Canada
Telephone	+1 450-922-4666
Telefax	+1 450-922-7776
Contact email	ali.kademi@innuscience.com
Emergency telephone number	Canutec - 24 hours emergency contact no 613-996-6666 Quebec Centre antipoison (24 h service) Quebec: (418) 656-8090 Other regions: (800) 463-5060

SECTION 2: HAZARDS IDENTIFICATION

Product classification

GHS Classification in accordance with the Hazardous Products Regulations (HPR)

Serious eye damage/eye irritation	category 1
Skin corrosion/irritation	category 2

Hazards pictograms



Signal word

DANGER

Hazards

Causes serious eye damage
Causes skin irritation.

Precautionary statements

Prevention

Wear protective gloves and eye protection.
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. Immediately call a POISON CENTER or doctor.
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention.

Storage

None

Disposal

None

Other hazards

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS number	(%) (w/w)
2-Aminoethanol	141-43-5	1 - 5
Diethylene glycol monobutyl ether	112-34-5	1 - 3

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air. Get medical attention if you feel unwell.

Skin contact: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor

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

Most important symptoms and effects

Symptoms: No data available

Effects: No data available

Indication of any immediate medical attention and special treatment needed: Treat according to symptoms.

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media: This product is not combustible. In case of fire, use extinguishing media appropriate to surrounding fire conditions.

Unsuitable extinguishing media: No data available

Special hazards arising from the product: No data available

Hazardous combustion products: No hazardous decomposition products known.

Advice for firefighters: Wear appropriate apparatus of breathing and protective clothing

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Methods and material for containment and cleaning up: Clean contaminated sites immediately. Avoid release into the environment.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes and skin. Wear appropriate personal protective equipment. Wash hands thoroughly after handling.

Conditions for safe storage: Store in a cool place.

Incompatibilities: Keep away from incompatible materials described in Section 10.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Occupational exposure limit values:

In accordance with the Hazardous Products Regulations (HPR)

Chemical name	Regulation respecting occupational health and safety (RROHS)			
	TWA		STEV	
2-Aminoethanol	ppm	mg/m ³	ppm	mg/m ³
	3	7.5	6	15

TWA: Time-weighted average value.

STEV: Short term exposure value.

Appropriate engineering controls: Not applicable**Personal protection measures****Respiratory protection:** Respiratory protection is not required in general.**Skin:** Wear chemical resistant gloves. Wash hands thoroughly after handling.**Eye:** Wear safety glasses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid**Odour:** Odorless**Odor threshold:** Not applicable**pH:** 10.0 - 11.5**Melting / Freezing point:** No data available**Boiling point:** No data available**Flash point:** No data available**Evaporation rate:** No data available**Flammability:** Not applicable**Lower limit of flammability or explosive:** Not applicable**Upper limit of flammability or explosive:** Not applicable**Vapour pressure:** No data available**Vapour density:** No data available**Relative density:** 1.00 - 1.03**Water solubility:** Easily soluble in water**Log Kow:** No data available**Auto-inflammability temperature:** No data available**Decomposition temperature:** No data available**Cinematic viscosity:** < 10 cSt

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Unknown**Chemical stability:** The colour of the product may change with time, but with no impact on performance.**Possibility of hazardous reactions:** None under normal processing.**Conditions to avoid:** Avoid heat and the direct sunlight to preserve the quality of the product.**Incompatible materials:** Strong acids**Hazardous decomposition products:** No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Possible routes of exposure: Ingestion - Contact with skin and eyes.**Acute toxicity:** Not classified (the classification criteria are not met).

LD50 > 5000 mg/Kg (oral/rat) (calculated)

LD50 > 5000 mg/Kg (dermal/rat) (calculated)

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye damage.

Respiratory or skin sensitization: Not classified (the classification criteria are not met).

Specific target organ systemic toxicity: Not classified (the classification criteria are not met).

Carcinogenicity: Not classified (the classification criteria are not met).

Toxicity for reproduction: Not classified (the classification criteria are not met).

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

SECTION 12: ECOLOGICAL INFORMATION

Aquatic ecotoxicology: Aquatic toxicity, LC50 (calculated): > 100 mg/l

Terrestrial ecotoxicology: No data available

Persistence and degradability: The organic ingredients are readily biodegradable according to the OECD 301 methods.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Dispose of contents or containers in accordance with the regional office of the environmental authority with jurisdiction.

SECTION 14: TRANSPORT INFORMATION

The product is not regulated for TDG, DOT, IATA and IMDG.

SECTION 15: REGULATORY INFORMATION

The product classification and the Safety Data Sheet have been developed in accordance with the HPR.

SECTION 16: OTHER INFORMATION

Created by: Innu-Science Canada Inc.

Telephone: +1 450-922-4666

Date of issue: February 22nd 2018

Revision date: -

NU-ENERGIKÄ™ CONCENTRATE

SECTION 1: IDENTIFICATION

Product name	NU-ENERGIKÄ™ CONCENTRATE
Product codes	15632 / 15955 / 16312
Uses	Ecological floor stripper
Restricted use	Not available
Supplier	
Name	Innu-Science Canada Inc.
Address	1777, rue Nobel, suite F Sainte-Julie (Québec), J3E 1Z6, Canada
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Contact email	ali.kademi@innuscience.com
Emergency telephone number	Canutec - 24 hours emergency contact no 613-996-6666 Quebec Centre antipoison (24 h service) Quebec: (418) 656-8090 Other regions: (800) 463-5060

SECTION 2: HAZARDS IDENTIFICATION

Product classification

GHS Classification in accordance with the Hazardous Products Regulations (HPR)

Skin corrosion/irritation category 1

Hazards pictograms



Signal word

DANGER

Hazards

Causes severe skin burns and eye damage.

Precautionary statements

Prevention

Wear protective gloves, protective clothing and eye/face protection.
Wash hands thoroughly after handling.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local and national regulations.

Other hazards

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS number	(%) (w/w)
2-Aminoethanol	141-43-5	15 - 20
1-Octanesulfonic acid sodium salt	5324-84-5	1 - 3
Diethylene glycol monobutyl ether	112-34-5	5 - 10

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air. Get medical attention if you feel unwell.

Skin contact (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

Most important symptoms and effects

Symptoms: No data available

Effects: No data available

Indication of any immediate medical attention and special treatment needed: Treat according to symptoms.

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media: This product is not combustible. In case of fire, use extinguishing media appropriate to surrounding fire conditions.

Unsuitable extinguishing media: No data available

Special hazards arising from the product: No data available

Hazardous combustion products: No hazardous decomposition products known.

Advice for firefighters: Wear appropriate apparatus of breathing and protective clothing

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Methods and material for containment and cleaning up: Clean contaminated sites immediately. Avoid release into the environment.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes and skin. Wear appropriate personal protective equipment. Wash hands thoroughly after handling.

Conditions for safe storage: Store in a cool place.

Incompatibilities: Keep away from incompatible materials described in Section 10.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limit values:

Chemical name	Regulation respecting occupational health and safety (RROHS)			
	TWA		STEV	
2-Aminoethanol	ppm	mg/m ³	ppm	mg/m ³
	3	7.5	6	15

SAFETY DATA SHEET

In accordance with the Hazardous Products Regulations (HPR)

TWA: Time-weighted average value

STEV: Short term exposure value

Appropriate engineering controls: Not applicable

Personal protection measures



Respiratory protection: Respiratory protection is not required in general.

Skin: Wear chemical resistant gloves and protective clothing. Wash hands thoroughly after handling.

Eye: Wear safety glasses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid

Odour: Odorless

Odor threshold: Not applicable

pH: 10.0 - 11.0 (solution at 1%)

Melting / Freezing point: No data available

Boiling point: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability: Not applicable

Lower limit of flammability or explosive: Not applicable

Upper limit of flammability or explosive: Not applicable

Vapour pressure: No data available

Vapour density: No data available

Relative density: 1.01 - 1.03

Water solubility: Easily soluble in water

Log Kow: No data available

Auto-inflammability temperature: No data available

Decomposition temperature: No data available

Cinematic viscosity: < 10 cSt

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Unknown

Chemical stability: The colour of the product may change with time, but with no impact on performance.

Possibility of hazardous reactions: None under normal processing.

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

Incompatible materials: Strong acids

Hazardous decomposition products: No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Possible routes of exposure: Ingestion - Contact with skin and eyes.

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

LD50 > 5000 mg/Kg (oral/rat) (calculated)

LD50 > 5000 mg/Kg (dermal/rat) (calculated)

Skin corrosion/irritation: Causes severe skin burns.

Serious eye damage/eye irritation: Causes serious eye damage.

Respiratory or skin sensitization: Not classified (the classification criteria are not met).

Specific target organ systemic toxicity: Not classified (the classification criteria are not met).

Carcinogenicity: Not classified (the classification criteria are not met).

Toxicity for reproduction: Not classified (the classification criteria are not met).

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

SECTION 12: ECOLOGICAL INFORMATION

Aquatic ecotoxicology: Aquatic toxicity, LC50 (calculated): 10 - 100 mg/l

Terrestrial ecotoxicology: No data available

Persistence and degradability: The organic ingredients are readily biodegradable according to the OECD 301 methods.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Dispose of contents or containers in accordance with the regional office of the environmental authority with jurisdiction.

SECTION 14: TRANSPORT INFORMATION

The product is regulated for TDG, DOT, IATA and IMDG.

UN number: UN2491

Proper shipping name: Ethanolamine solution

Hazard class: 8

Packing group: III

Limited quantity: 5 liters

Environmental hazards: Not applicable

SECTION 15: REGULATORY INFORMATION

The product classification and the Safety Data Sheet have been developed in accordance with the HPR.

SECTION 16: OTHER INFORMATION

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