

NU-ACTION 3 AT USAGE RATE

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

1.1. Product identifier

Product name	NU-ACTION 3
Product code	ISEU-132-01 / ISEU-132-05

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

Relevant identified uses	Cleaner and super degreaser
Uses advised against	Not available

1.3. Details of the supplier of the safety data sheet

Name	InnuScience Deutschland GmbH
Address	Gleiwitzer Straße 5b 55131 Mainz Deutschland
Telephone	+49 (0) 6131 6964340
Telefax	+49 (0) 6131 6964342
Contact email	info.de@innuscience.com

1.4. Emergency telephone number

Telephone	+49 (0) 06732 964330 Opening hours: 09:00-16:00
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments
This mixture is not classified as dangerous.

2.2. Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Danger symbol	None
Signal word	None
Hazard statements (H)	None
Additional label element	
Prevention statements	None
Response statements	None
Storage statements	Not applicable
Disposal statements	Not applicable

2.3. Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.



SECTION 3 : Composition/information on ingredients

Name	(%)	Classification	Specific concentration limits
Alcohols, C12-16, ethoxylated (>5 - <15 EO) CAS No. : 68551-12-2 EC No. : 500-221-7 INDEX No. : REACH No. : Exempted - polymer	C < 0.1%	Acute Tox. 4: H302 Eye Dam. 1: H318 Aquatic Chronic 3: H412	-
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts CAS No. : 97862-59-4 EC No. : 308-107-7 INDEX No. : REACH No. : 01-2119488533-30-0011	C < 0.1%	Eye Dam. 1: H318 Aquatic Chronic 3: H412	-
Reaction mass of 5-Chloro-2-Methyl-2H-Isothiazol-3-one and 2-Methyl-2H-Isothiazol-3-one (3:1) CAS No. : 55965-84-9 EC No. : 611-341-5 INDEX No. : 613-167-00-5 REACH No. : 01-2120764691-48	C < 0.0015%	Acute Tox. 3: H301 Acute Tox. 2: H310 Skin Corr. 1C: H314 Eye Dam. 1: H318 Skin Sens. 1A: H317 Acute Tox. 2: H330 Aquatic acute 1: H400 (M = 100) Aquatic Chronic 1: H410 (M = 100)	Eye Dam. 1, H318: C ≥ 0.6 % Eye Irrit. 2, H319: 0.06% ≤ C < 0.6% Skin Corr. 1C, H314: C ≥ 0.6% Skin Irrit. 2, H315: 0.06% ≤ C < 0.6% Skin Sens. 1A, H317: C ≥ 0.0015%

For the full text of the H-Statements mentioned in this Section, see Section 16.

Detergents labelling (Regulation (EC) No 648/2004 and No 907/2006) :

< 5% non ionic surfactant, < 5% amphoteric surfactant, enzymes, bacterial cultures, dye, perfume, preservation agent (Methylchloroisothiazolinone, Methylisothiazolinone).

SECTION 4 : First aid measures

4.1. Description of first aid measures

General information	If you feel unwell, get medical attention.
Following inhalation	Not applicable
Following skin contact	Wash skin with water and soap. If skin irritation occurs, get medical attention.
Following eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs, get medical attention.
Following ingestion	Get medical attention if you feel unwell.
For emergency responders	No data available

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

Symptoms and effects	No symptoms known or expected.
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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 : Water, 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**

Avoid contact with eyes.

Wash hands thoroughly after handling.

6.2. Environmental precautions

In the event of a spill, wipe with an absorbent material (e.g. cloth, woolen).

6.3. Methods and material for containment and cleaning up

In the event of a spill, wipe with an absorbent material (e.g. cloth, woolen).

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

No data available

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)

Not applicable

8.2. Exposure controls

Appropriate engineering controls

Not applicable

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

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

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 No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	Green
Odour	Fresh
Odor threshold	No data available
pH	7.4 – 7.7
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 – 1.01
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	Not applicable
Oxidizing properties	Not applicable

9.2. Other information

Cinematic viscosity < 10 cSt

SECTION 10: Stability and reactivity

10.1. Reactivity

No known reactivity.

10.2. Chemical stability

Stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Prolonged storage at temperatures above 40°C or direct light may alter the color of the product.

10.5. Incompatible materials

Unknown incompatible materials.



10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

This product is not classified

ATEmix calculated (oral) > 5000 mg/Kg

ATEmix calculated (dermal) > 5000 mg/Kg

Exposition	Measurement	Effective dose	Method
Substance: Alcohols, C12-16, ethoxylated (>5 - <15 EO) - CAS No. : 68551-12-2			
Oral	LD50	500 - 2000 mg/Kg (Rat)	OECD 401
Dermal	LD50	> 2000 mg/Kg (Rat)	OECD 402
Inhalation	LC50 (4h)	> 1.6 mg/l (Rat)	OECD 403
Substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts - CAS No. : 97862-59-4			
Oral	LD50	> 5000 mg/Kg (Rat)	-
Dermal	LD50	> 5000 mg/Kg (Rat)	-
Substance: Reaction mass of 5-Chloro-2-Methyl-2H-Isothiazol-3-one and 2-Methyl-2H-Isothiazol-3-one (3:1) -CAS No. : 55965-84-9			
Oral	LD50	66 mg/Kg (Rat)	OECD 401
Dermal	LD50	> 141 mg/Kg (Rat)	OECD 402

Skin corrosion

Not classified (the classification criteria are not met).

Eye damage

Not classified (the classification criteria are not met).

Respiratory sensitisation

Not classified (the classification criteria are not met).

Germ cell mutagenicity

Not classified (the classification criteria are not met)

Carcinogenicity

Not classified (the classification criteria are not met)

Toxic for reproduction

Not classified (the classification criteria are not met)

Unique specific toxicity

Not classified (the classification criteria are not met)

Repeated specific toxicity

Not classified (the classification criteria are not met)

Aspiration hazard

Not classified (the classification criteria are not met)

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, LC50 (calculated): > 1000 mg/l

Dose	Duration (h)/(d)	Species	Method
Substance: Alcohols, C12-16, ethoxylated (>5 - <15 EO) - CAS No. : 68551-12-2			
LC50: 2.2 mg/l	96h	Danio rerio	OECD 203
EC50: 0.39 mg/l	48h	Daphnia magna	92/69/EWG
EC50: 0.19 mg/l	72h	Pseudokirchneriella subcapitata	OECD 201
EC50: > 10000 mg/l	16.9h	Pseudomonas putida	DIN 38412
LC50: > 1000 mg/Kg	14d	Eisenia fetida	OECD 207
NOEC: 100 mg/Kg	19d	Triticum aestivum	OECD 208
NOEC: 100 mg/Kg	19d	Brassica alba	OECD 208
NOEC: 100 mg/Kg	19d	Lepidium sativum	OECD 208
Substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts - CAS No. : 97862-59-4			
LC50: 1.11 mg/l	96h	Pimephales promelas	OECD 203
EC50: 1.9 mg/l	48h	Daphnia magna	OECD 202
ErC50: 2.4 mg/l	72h	Skeletonema costatum	
EC50: 3000 mg/l	16h	Pseudomonas putida	EN ISO 1712
NOEC: 0.135 mg/l	37d	Oncorhynchus mykiss	OECD 210
NOEC: 0.3 mg/l	21d	Daphnia magna	OECD 211
NOEC: 0.6 mg/l	72h	Skeletonema costatum	
NOEC: ≥ 846 mg/Kg	14d	Eisenia fetida	
NOEC: 84.4 mg/Kg	17d	Brassica alba	OECD 208
Substance: Reaction mass of 5-Chloro-2-Methyl-2H-Isothiazol-3-one and 2-Methyl-2H-Isothiazol-3-one (3:1) - CAS No. : 55965-84-9			
EC50: 0.22 mg/l	96h	Rainbow trout	OECD 203
EC50: 0.1 mg/l	48h	Daphnia	OECD 202
EC50: 0.048 mg/l	72h	Pseudokirchneriella subcapitata	OECD 201
NOEC: 0.098 mg/l	28d	Rainbow trout	OECD 210
NOEC: 0.004 mg/l	21d	Daphnia	OECD 211
NOEC: 0.00064 mg/l	48h	Skeletonema costatum	OECD 201
NOEC: 0.0012 mg/l	72h	Pseudokirchneriella subcapitata	OECD 201

12.2. Persistence and degradability

The product is readily biodegradable according to OECD 301F method (84% of biodegradation after 28 days).

Substance	CAS No.	Method	Result	Duration
Alcohols, C12-16, ethoxylated (>5 - <15 EO)	68551-12-2	OECD 301F	95%	28 days
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts	97862-59-4	OECD 301B	91.6%	28 days
Reaction mass of 5-Chloro-2-Methyl-2H-Isothiazol-3-one and 2-Methyl-2H-Isothiazol-3-one (3:1)	55965-84-9	OECD 301D	> 60%	28 days

12.3. Bioaccumulative potential

No information available for the mixture.

Substance	CAS No.	Bioaccumulative potential	Species
Alcohols, C12-16, ethoxylated (>5 - <15 EO)	68551-12-2	FBC :12.7 - 237	Pimephales promelas
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts	97862-59-4	FBC : 71	-
Reaction mass of 5-Chloro-2-Methyl-2H-Isothiazol-3-one and 2-Methyl-2H-Isothiazol-3-one (3:1)	55965-84-9	FBC : 3.6 LogKow : ≤ 0.71	-

SAFETY DATA SHEET



According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

12.4. Mobility in soil

No information available for the mixture.

Substance	CAS No.	Mobility in soil
Alcohols, C12-16, ethoxylated (>5 - <15 EO)	68551-12-2	LogKoc: environ 2.7 - 3.2 (estimé)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts	97862-59-4	Non disponible
Reaction mass of 5-Chloro-2-Methyl-2H-Isothiazol-3-one and 2-Methyl-2H-Isothiazol-3-one (3:1)	55965-84-9	Non disponible

12.5. Results of PBT and vPvB assessment

The product does not contain any persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) ingredients.

12.6. Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose in accordance with local and national regulations.

13.2. Waste code numbers/Waste identification

Waste disposal code - Product

07 06 99 Wastes from organic chemical processes; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; wastes not otherwise specified.

Waste Disposal Code-Residue

07 06 99 Wastes from organic chemical processes; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; wastes not otherwise specified.

Disposal of contaminated packaging

Clean the container with water. Return the cleaned packages to recycling.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA Not regulated

14.2 UN proper shipping name

ADR, IMDG, IATA Not regulated

14.3 Transport hazard class(es)

ADR, IMDG, IATA Not regulated

14.4 Packing group

ADR, IMDG, IATA Not regulated

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable



SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Classification and labeling information in section 2:**

The following regulations have been taken into account: Regulation (EC) No. 1272/2008 and its adaptations.

15.2. Chemical safety assessment

No data available

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

Creation date: 14/08/2015

Revision date: 30/06/2020

Indication on changes:

16.2. Key or legend to abbreviations and acronyms

ADN / ADN R: 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)Hazard statements (H):

H301 : Toxic if swallowed.

H302 : Harmful if swallowed.

H310 : Fatal in contact with skin

H314 : Causes severe skin burns and eye damage.

H317 : May cause an allergic skin reaction.

H318 : Causes serious eye damage.

H330 : Fatal if inhaled

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.

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



SAFETY DATA SHEET



According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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.

