

# SAFETY DATA SHEET

according to 453/2010 EC and 1907/2006 EC



## NICRO Uniclean

Revision: 01.12.2015.

Printing date : 05.10.2016.

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Trade name: NICRO Uniclean

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

No further relevant information available.

Application of the substance / the preparation :

Cleaning agent/ Cleaner

#### 1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier: NICRO Kft.

H-2038 Sósút, Ipari Park

Telephone number: +36 23 560-800

Further information obtainable from: Gráf Kálmán  
graf.kalman@nicro.hu  
www.nicro.hu

#### 1.4. Emergency telephone number:

0-24h: ETTSZ (Egészségügyi Toxikológiai Tájékoztató Szolgálat)  
+36 80 201-199

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the mixture (1272/2008 EC):

The product is not classified according to the CLP regulation.

#### 2.2. Label elements : **Labelling according to Regulation (EC) No 1272/2008**

Hazard pictograms: Void

Signal word: Void

Hazard-determining components of labelling: -

Hazard statements: Void

Additional information: Safety data sheet available on request.

#### 2.3. Other hazards

Results of PBT and vPvB assessment : Not applicable.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical characterization: Mixtures

#### 3.1. Dangerous components:

	Name:	mass-%	*
CAS: 111-76-2 EINECS: 203-905-0 Reg.Nr: 01-2119475108-36	2-butoxyethanol	5-<10	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319
CAS: 164462-16-2 EINECS: 423-270-5 Reg.Nr: 01-0000016977-53	Alanine, N,N-bis carboxy-methyl)-trisodium salt	1-<5	Met.Corr.1. H290

\* For the wording of the listed risk phrases refer to section 16.

**SECTION 4: FIRST AID MEASURES**

## 4.1. Description of first aid measures

General information	No special measures required.
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Generally the product does not irritate the skin.
After eye contact:	Rinse opened eye for several minutes under running water.
After swallowing:	Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

No further relevant information available.

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

No further relevant information available.

**SECTION 5: FIREFIGHTING MEASURES**

## 5.1. Extinguishing media

Suitable extinguishing agents:	Use fire extinguishing methods suitable to surrounding conditions.
For safety reasons unsuitable extinguishing agents:	Water with full jet

## 5.2. Special hazards arising from the substance or mixture :

No further relevant information available.

## 5.3. Advice for firefighters :

Protective equipment: No special measures required.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

## 6.1. Personal precautions, protective equipment and emergency procedures :

Avoid contact with the eyes.

## 6.2. Environmental precautions:

Dilute with plenty of water.

## 6.3. Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

## 6.4. Reference to other sections

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 10 for information on "stability and reactivity".  
See Section 13 for disposal information.

**SECTION 7: HANDLING AND STORAGE**

## 7.1. Handling:

Precautions for safe handling :	No special measures required.
Information about fire - and explosion protection:	No special measures required.

## 7.2. Conditions for safe storage, including any incompatibilities

Conditions to avoid :	Protect from frost
Incompatible materials:	No further relevant information available.
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Not required.
Storage class:	12

## 7.3 Specific end use(s) :

No further relevant information available.

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

## 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS 111-76-2 2-butoxyethanol			
WEL()	Short-term value:	246 mg/m <sup>3</sup> ; 50ppm	Sk, BMGV
	Long-term value:	123 mg/m <sup>3</sup> ; 25ppm	

Ingredients with biological limit values:

CAS 111-76-2 2-butoxyethanol	
BMGV()	240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid

Additional information:

The lists valid during the making were used as basis.

## 8.2. Exposure controls :

Additional information about design of technical facilities:

No further data; see item 7.

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Not required.

Protection of hands:

Alkali resistant gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves :

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1. Information on basic physical and chemical properties

Appearance

Form:

Fluid

Colour:

Yellow

Odour:

Slight, pleasant

Odour threshold:

Not determined

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Specification	Value	Conditions	Regulations
pH-value:	9,5	100g /l, 20°C	
Melting point/Melting range:	-2°C		
Boiling point/Boiling range:	~100°C		
Flash point:	Not applicable.		
Flammability (solid, gaseous):	Not applicable.		
Ignition temperature:	Not applicable.		
Decomposition temperature:	>100°C		
Self-igniting:	Product is not self-igniting.		
Danger of explosion:	Not applicable.		
Explosion limits:	Not applicable.		
Vapour pressure:	23hPa	20°C	
Density:	1,03 g/cm <sup>3</sup>	26°C	MSZ ISO 3675
Relative density :	Not determined.		
Vapour density:	Not determined.		
Evaporation rate	Not determined.		
Solubility in / Miscibility:	Fully miscible	with water	
Segregation coefficient :	Not determined.	n-octanol/water	
Viscosity:	2,86 mm <sup>2</sup> /s	20°C	
Solvent content:			
Organic solvents:	0,00%		
VOC (EU):	0,00%		

9.2. Other information : No further relevant information available

## SECTION 10: STABILITY AND REACTIVITY

10.1.Reactivity :

10.2. Chemical stability : Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions : No dangerous reactions known.

10.4. Conditions to be avoided: No further relevant information available.

10.5.Incompatible materials: No further relevant information available.

10.6. Hazardous decomposition products: No dangerous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

CAS 111-76-2 2-butoxyethanol		
Oral	LD50	1476mg/kg (rat)
Dermal	LD50	>2000 mg/kg (guinea-pig) (OECD 402)
Inhalation	LC50/4h	2-20 mg/l (rat)
CAS 164462-16-2 Alanine, N,N-bis carboxy-methyl)-trisodium salt		
Oral	LD50	> 4000 mg/kg (rat)
Dermal	LD50	> 4000 mg/kg (rat) (OECD 402)
Inhalation (vapour)	LC50	>5mg/l (rat)

Primary irritant effect

on the skin: No irritant effect.

on the eye: No irritant effect.

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Sensitization:	No sensitizing effects known.
Repeat dose toxicity:	No further relevant information available.
Carcinogenicity:	No further relevant information available.
Mutagenicity:	No further relevant information available.
Harmful effect to fertility:	No further relevant information available.
11.2. Additional toxicological information:	The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Aquatic toxicity:

CAS 111-76-2 2-butoxyethanol				
Fish	LC50/96h	1474 mg/l	Oncorhynchus mykiss	OECD 203
Invertebrate	EC50/48h	1550 mg/l	Daphnia	OECD 202
Algae	ErC50/72h	1840 mg/l	Pseudo-kirchneriella subcapitata	OECD201
Bacterium	EC0/16h	700mg/l	Pseudomonas putida	DIN 38412
CAS 164462-16-2 Alanine, N,N-bis carboxy-methyl)-trisodium salt				
Fish	LC50/96h	>200mg/l	Brachydanio rerio	OECD 203
Algae	ErC50/72h	>200 mg/l	Scenedesmus subspicatus	92/69 EWG
Invertebrate	EC50/48h	>200 mg/l	Daphnia magna	OECD 202/1.

12.2. Persistence and degradability :	Readily biodegradable (≥90 % BIAS)
12.3. Bioaccumulative potential :	No further relevant information available.
12.4. Mobility in soil:	No further relevant information available.
12.5. Results of PBT and vPvB assessment	Not applicable.
12.6. Other adverse effects:	No further relevant information available.
12.7. Additional ecological information:	General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods :

Recommendation :	Smaller quantities can be disposed of with household waste. Do not allow undiluted product or large quantities to reach sewage system.
European waste catalogue (EWC):	20 01 30 - detergents other than those mentioned in 20 01 29 11 01 11* - aqueous rinsing liquids containing dangerous substances
Uncleaned packaging	
Recommendation :	Dispose of packaging according to regulations on the disposal of packagings.
European waste catalogue (EWC):	15 01 02 - plastic packaging

### SECTION 14: TRANSPORT INFORMATION

14.1. UN-number (ADR, IMDG, IATA):	Void
14.2. UN proper shipping name :	
ADR, IMDG, IATA:	Void

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### 14.3. Transport hazard class(es) :

ADR, IMDG, IATA

Class: Void

14.4. Packing group (ADR, IMDG, IATA): Void

### 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 MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation": --

## SECTION 15: REGULATORY INFORMATION

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

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

5.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

### 16.1. Relevant phrases

H290 May be corrosive to metals  
H302 Harmful if swallowed  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled

### 16.2. Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Acute Tox.4: Acute Toxicity, Hazard Category 4  
Met.Corr.1: Corrosive to metal. Hazard Category 1

### 16.3. Changes in the safety data sheet:

#### New datasheet

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.