



SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

1.1 Product identifier

Trade name: **N8 500ML TRAFFIC LN CLNR - (HEAVY STAIN)**

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

Relevant identified uses: traffic lane cleaner.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Manufacturer: **Rug Doctor Ltd**

Address: Unit 29 Timberlaine Trading Estate, Decoy Road Worthing,
West Sussex BN14 8ND, UK

Telephone: 01903 235558 / 01903 209671

E-mail address for a competent person responsible for SDS: biuro@theta-doradztwo.pl

1.4 Emergency telephone number

112

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Product is not classified as dangerous to human health and for the environment.

2.2 Label elements

Hazard pictograms and signal words

None.

Names of dangerous components placed on the label

None.

Hazard statements

None.

Precautionary statements

None.

2.3 Other hazards

The components of this mixture do not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

CAS number: 112-34-5 EC number: 203-961-6 Index number: 603-096-00-8 REACH number: 01-2119475104-44-XXXX	<u>2-(2-butoxyethoxy)ethanol</u> ¹ Eye Irrit. 2 H319	< 1 %
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SAFETY DATA SHEET

¹⁾ Substance with occupational exposure limits defined on the EU level.

Components according to Reg. No 648/2004/EC on detergents:

nonionic surfactants (<5%)

Full text of each relevant H phrase is given in section 16 of SDS.

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: wash the contaminated skin with plenty of water. Consult a doctor if disturbing symptoms appear.

Eye contact: wash the contaminated eye with plenty of water for 10-15 minutes. Keep eyelids wide open. Avoid strong stream of water – risk of damage of the cornea. Consult an ophthalmologist immediately.

Ingestion: rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a doctor immediately, show the container or label.

Inhalation: move the victim to fresh air. Keep victim warm and calm. Consult a doctor if disturbing symptoms appear.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: prolonged contact may cause redness, burning sensation, drying, cracking of the skin.

Eye contact: possible redness, tearing, burning, temporary irritation.

Ingestion: may cause nausea, vomiting, abdominal pains.

Inhalation: exposure to high concentrations of product vapours may lead to headaches, nausea.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Symptomatic treatment.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: adapt the extinguishing media to surrounding materials.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

During the fire, the product may produce harmful gases of carbon oxides and other hazardous, unidentified products of thermal decomposition. Do not inhale combustion products, they can be dangerous for human health.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. In case of fire cool endangered containers with water fog from safe distance. In case of fire, cool endangered containers with water spray from a safe distance. Collect the used extinguishing media.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of a large release, isolate the exposed area. Ensure that only the trained personnel removes the effects of the accident. Ensure adequate ventilation. Avoid contact with eyes and skin. Use personal protective equipment. Immediately wipe spilled product – may produce extremely slippery surfaces.



SAFETY DATA SHEET

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Collect product using liquid binding materials (e.g. sand, earth, universal binding substances, silica etc.) and place it in correctly labelled containers. Treat collected material as waste. Flush product residues with water. Clean and ventilate contaminated place.

6.4 Reference to other sections

Appropriate conduct with waste product – see section 13. Personal protective equipment – see section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid eyes and skin contamination. Wash hands carefully before breaks and after work. Do not inhale product vapours. Ensure adequate ventilation of the area in which product is stored and used. Keep the unused containers tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tightly sealed containers. Store in a dry, cool and well ventilated place. Keep away from food, foodstuffs, animal feed and drinking water. Protect from heat, light and direct sunlight. Do not store with incompatible materials (see subsection 10.5). Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Specification	TWA 8 hour	STEL 15 min
2-(2-butoxyethoxy)ethanol [CAS 112-34-5]	67,5 mg/m ³	101,2 mg/m ³

The table above shows the maximum workplace concentration values at the EU level.

Please check any national occupational exposure limit values in your country.

Legal Basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EC, 2017/164/EU, 2019/1831/EU.

Recommended control procedures

Procedures Concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace - if they are available and Justified for the position - in Accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

DNEL for 2-(2-butoxyethoxy)ethanol [CAS 112-34-5]

Exposure route	Exposure scenario	DNEL (workers)
skin	Long-term, systemic effects	20 mg/kg
inhalation	Long-term, systemic effects	67.5 mg/m ³
inhalation	Long-term, local effects	67.5 mg/m ³
inhalation	Short-term, local effects	101.2 mg/m ³
Exposure route	Exposure scenario	DNEL (consumers)
inhalation	Short-term, local effects	7.5 mg/m ³
inhalation	Long-term, systemic effects	34 mg/m ³
skin	Long-term, systemic effects	10 mg/kg



SAFETY DATA SHEET

inhalation	Long-term, local effects	34 mg/m ³
ingestion	Long-term, systemic effects	1.25 mg/kg/d

DNEL for 2-(2-butoxyethoxy)ethanol [CAS 112-34-5]

PNEC	Value
marine water	0.1 mg/l
freshwater	1 mg/l
marine water sediment	0.44 mg/kg d.w.
freshwater sediment	4.4 mg/kg d.w.
soil	0.32 mg/kg d.w.
STP	200 mg/l
secondary poisoning	56 mg/kg
intermittent releases	3.9 mg/l

8.2 Exposure controls

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Ensure adequate ventilation. Avoid skin and eye contamination. Before break and after work wash hands carefully.

Hand protection

Normally not necessary. Use protective gloves resistant to the product in case of prolonged or repeated exposure.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Skin and body protection

Wear protective clothing adequate to performed task and made of an adequate material.

Eyes protection

Use tightly protective glasses if there is a risk of eye contamination.

Respiratory protection

Respiratory protection is not required when product is used as intended.

Personal protective equipment must meet requirements of Regulation 2016/425/EU. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.

Environmental exposure controls

Do not allow large quantities of the product to contaminate ground water, drains, sewages or soil. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

physical state:	liquid
colour:	according to assortment
odour:	characteristic
odour threshold:	not determined
pH:	9,5 - 9,9
melting point/freezing point:	not applicable
initial boiling point and boiling range:	not determined
flash point:	not determined
evaporation rate:	not determined



SAFETY DATA SHEET

flammability (solid, gas):	not applicable, incombustible
upper/lower flammability or explosive limits:	not determined
vapour pressure:	not determined
vapour density:	not determined
density:	not determined
solubility(ies):	soluble in water
partition coefficient: n-octanol/water:	not applicable
auto-ignition temperature:	not applicable, product is not subject to auto-ignition
decomposition temperature:	not determined
explosive properties:	not display
oxidising properties:	not display
viscosity:	not determined

9.2 Other information

No additional test results.

Section 10: Stability and reactivity

10.1 Reactivity

Feebly reactive product. It does not undergo a dangerous polymerization. See also subsections 10.3-10.5.

10.2 Chemical stability

The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Hazardous reactions are not known.

10.4 Conditions to avoid

Avoid direct exposure to sunlight.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

11.1 Information on toxicological effects

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

Toxicity of components

2-(2-butoxyethoxy)ethanol [CAS 112-34-5]

LD ₅₀ (rat, oral)	> 2000 mg/kg
LD ₅₀ (mouse, oral)	2410 mg/kg [OECD 401]
LD ₅₀ (rabbit, skin)	2764 mg/kg [OECD 402]
LC ₅₀ (rat, inhalation)	> 29 ppm/2h [OECD 403]

Toxicity of mixture

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.



SAFETY DATA SHEET

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Section 12: Ecological information

12.1 Toxicity

Toxicity of components

2-(2-butoxyethoxy)ethanol [CAS 112-34-5]

Toxicity for fish LC ₅₀	1300 mg / l / 96 h / <i>Lepomis macrochirus</i> (OECD 203)
Toxicity for daphnia EC ₅₀	> 100 mg / l / 48 h / <i>Daphnia magna</i> (Directive 67/548/EEC, Annex V, C.2.)
Toxicity for algae EC ₅₀	> 100 mg / l / 96 h / <i>Scenedesmus subspicatus</i> (OECD 201)
Toxicity for bacteria EC ₁₀	> 1995 mg / l / 0,5 h / activated sludge (OECD 209)

Toxicity of mixture

Product is not classified as hazardous for the environment.

12.2 Persistence and degradability

Surfactants used in the product meet the biodegradability requirements in accordance with Regulation (EC) no 648/2004/EC as amended.

Data for components

2-(2-butoxyethoxy)ethanol [CAS 112-34-5]

Biodegradation: 80-90 %/28 days (OECD 301C)

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

Product is mobile in water and soil. Mobility of components of the mixture in soil depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms.

12.5 Results of PBT and vPvB assessment

Components of this mixture do not meet the criteria of PBT or vPvB substances.

12.6 Other adverse effects

The mixture is not classified as hazardous to the ozone layer.



SAFETY DATA SHEET

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Store residues in original containers. Recycle, if possible. Waste code should be given in the place of waste formation.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the legislation in force. Only containers completely empty can be recycled.

Legal basis: Directive 2008/98/EC as amended., 94/62/EC as amended.

Section 14: Transport information

14.1 UN number

Not applicable, product is not classified as dangerous during transportation by land, air or sea.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.



SAFETY DATA SHEET

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Regulation (EU) No 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Regulation 648/2004/EC of the European Parliament and of the Council of 31 March 2004 on detergents as amended.

15.2 Chemical safety assessment

A Chemical Safety Assessment was not carried out for substances contained in this mixture.

Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H319 Causes serious eye irritation.

Clarification of aberrations and acronyms

Eye Irrit. 2 Serious eye damage/eye irritation, category 2

PBT Persistent, Bioaccumulative and Toxic substance

vPvB Very Persistent, very Bioaccumulative substance

TWA Time Weighted Average

STEL Short-Term Exposure Limits

LC₅₀ Median lethal concentration

EC₅₀ Concentration at which a 50 % inhibition of growth rate is observed

LD₅₀ Median lethal dose

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

Key literature references and sources of data

This SDS was prepared on the basis of sheets of the individual components, literature data, online databases (eg. ECHA, TOXNET, COSING) as well as our knowledge and experience, taking into account current legislation.

Procedures used to classify the mixture

Classification was based on data on hazardous substances calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

Other data

Safety Data Sheet made by: „**THETA**“ Doradztwo Techniczne

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.