Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)

Trade name :	Natural Textile Wash		
Revision date :	02.12.2024	**Version (Revision) :**	1.0.1 (1.0.0)
Print date :	28.07.2025		

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

1.1 Product identifier

Natural Textile Wash

Unique Formula Identifier (UFI) : 57TN-1Y0D-6N04-6EGV

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

Relevant identified uses

liquid laundry detergent

1.3 Details of the supplier of the safety data sheet

Supplier

HOLMENKOL GmbH

Street : Monrepos 7

Postal code/City : 71634 Ludwigsburg

Country : Deutschland

Telephone : +49 7141 3894 0

Telefax : +49 7141 3894 100

Information contact : info@eimermacher.de

www.eimermacher.de

1.4 Emergency telephone number

siehe Telefonnummer des Herstellers (während normaler Geschäftszeiten) oder:

Tox Info Suisse: 145 (24-h-Notrufnummer)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Exclamation mark (GHS07)

Signal word

Warning

Hazard statements

H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P102	Keep out of the reach of children.
P264	Wash hands thoroughly after handling.
P337+P313	If eye irritation persists: Get medical advice/attention.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contens/container in accordance with local offical regulations.

2.3 Other hazards

Adverse human health effects and symptoms

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Adverse environmental effects

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Alcohols, C12-l4, ethoxylated (EO=2), sulphates, sodium salts ; REACH No. : 01-2119488639-16 ; EC No. : 500-234-8; CAS No. : 68891-38-3

Weight fraction :	≥ 5 - < 10 %
Classification 1272/2008 [CLP] :	Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Aquatic Chronic 3 ; H412
Specific Conc. Limits :	Eye Dam. 1 ; H318: C ≥ 10 % • Eye Irrit. 2 ; H319: C ≥ 5 %

1,3-Propanediamine N-(C = 10-16) alkyl derivatives reaction products with 2-chloroacetic acid ; REACH No. : 01-2120050368-56-0000 ; EC No. : 701-317-3; CAS No. : 139734-65-9

Weight fraction :	≥ 0,025 - < 0,25 %
Classification 1272/2008 [CLP] :	Acute Tox. 3 ; H311 STOT RE 2 ; H373 Skin Corr. 1C ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410
Specific Conc. Limits :	Skin Corr. 1 ; H314: C ≥ 20 % • Eye Dam. 1 ; H318: C ≥ 3 % • (M Chronic=1) • (M Acute=10)

Dodecylguanidine monohydrochloride ; EC No. : 237-030-0; CAS No. : 13590-97-1

Weight fraction :	≥ 0,025 - < 0,25 %
Classification 1272/2008 [CLP] :	Acute Tox. 2 ; H330 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410
Specific Conc. Limits :	(M=10)

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

In case of skin contact

In case of skin reactions, consult a physician. Wash immediately with: Water and soap

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Seek medical advice immediately (poison centre).

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Important or further important known symptoms and effects are described in the GHS labelling of the product (see section 2) and in section 11 (Toxicological information). (Further) symptoms and/or effects are not yet known.
In our experience, no special hazards are to be expected if the product is handled properly and is used as intended.

4.3 Indication of any immediate medical attention and special treatment needed

treatment: Symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Foam , Carbon dioxide (CO2) , Dry extinguishing powder , Sand
Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to the escape of irritating gases and vapours.

5.3 Advice for firefighters

Special protective equipment for firefighters

Full protection suit , Use suitable breathing apparatus.

5.4 Additional information

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. See protective measures under point 7 and 8. Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Clear contaminated areas thoroughly. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

It is recommended to design all work processes always so that the following is excluded: Inhalation of vapours or spray/mists
Use only in well-ventilated areas.

Protective measures

Measures to prevent fire

Usual measures for fire prevention.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed.
Protect against UV-radiation/sunlight , Heat.

Requirements for storage rooms and vessels

Floors should be impervious, resistant to liquids and easy to clean. Keep/Store only in original container. Keep container tightly closed.

7.3 Specific end use(s)

Observe instructions for use. see section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL-/PNEC-values

DNEL/DMEL

Dodecylguanidine monohydrochloride ; CAS No. : 13590-97-1

Limit value type :	DNEL worker (local)
Exposure route :	Dermal
Exposure frequency :	Long-term
Limit value :	6,42 mg/kg
Assessment factor :	24 h
Limit value type :	DNEL worker (local)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	4,5 mg/m³

PNEC

Dodecylguanidine monohydrochloride ; CAS No. : 13590-97-1

Limit value type :	PNEC (Aquatic, freshwater)
Limit value :	0,0053 mg/l
Limit value type :	PNEC (Aquatic, marine water)
Limit value :	0,00053 mg/l
Limit value type :	PNEC (Sediment, freshwater)
Limit value :	0,0208 mg/kg
Limit value type :	PNEC (Sediment, marine water)
Limit value :	0,0028 mg/kg
Limit value type :	PNEC (Sewage treatment plant)
Limit value :	6,6 mg/l

8.2 Exposure controls

Personal protection equipment

Use personal protection equipment.

Eye/face protection

Eye glasses with side protection EN 166

Skin protection

Hand protection

By short-term hand contact : Suitable gloves type Disposable gloves. NBR (Nitrile rubber)

By long-term hand contact : Check leak tightness/impermeability prior to use.
Suitable material Butyl caoutchouc (butyl rubber) , NBR (Nitrile rubber)
Breakthrough time 480 min
Thickness of the glove material 5 mm

Remark : When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. EN ISO 374

Body protection

Wear anti-static footwear and clothing
Protective clothing. EN 13034 Natural fibres (e.g. cotton) , heat-resistant synthetic fibres
Chemical resistant safety shoes DIN EN 13832-2

Respiratory protection

Usually no personal respirative protection necessary.

General information

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid
Colour : light yellow
Odour : characteristic

Safety characteristics

Physical state :			Liquid		
Melting point/freezing point :			not determined		
Initial boiling point and boiling range :	(1013 hPa)		not determined		
Decomposition temperature :			not determined		
Flash point :			not applicable		
Auto-ignition temperature :			not applicable		
Lower explosion limit :			not applicable		
Upper explosion limit :			not applicable		
Vapour pressure :	(50 °C)		not applicable		
Density :	(20 °C)	approx.	1,05	g/cm^3	
Solvent separation test :	(20 °C)		not applicable		
Water solubility :	(20 °C)		not determined		
Fat solubility :	(20 °C)		Not determined.		
pH :			8 - 9		
log P O/W :			not determined		
Flow time :	(20 °C)		not applicable		DIN-cup 4 mm
Viscosity :	(20 °C)		not determined		
Cinematic viscosity :	(40 °C)		not relevant		
Odour threshold :			not determined		
Relative vapour density :	(20 °C)		not determined		
Vapourisation rate :			not determined		
Maximum VOC content (EC) :			0,1	Weight-%	
Maximum VOC content (Switzerland) :			0,1	Weight-%	
Flammable solids :	Not applicable.				
Flammable gases :	Not applicable.				
Oxidising liquids :	Not relevant.				
Explosive properties :	Not applicable.				
Corrosive to metals :	Not relevant.				

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions
No known hazardous reactions.

10.4 Conditions to avoid
See section 7 of the safety data sheet.

10.5 Incompatible materials
None known.

10.6 Hazardous decomposition products
Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

Corrosion
Skin corrosion/irritation
Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation
Causes serious eye irritation.

Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Carcinogenicity
Based on available data, the classification criteria are not met.
Germ cell mutagenicity
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.

11.2 Information on other hazards
Endocrine disrupting potential:
The product does not contain any substance above the legal limits that is included in the list established under Article 59(1) of Regulation (EC) No 1907/2006 on the basis of endocrine disrupting properties or that has endocrine disrupting or endocrine damaging properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Other indications of toxicity
The product has not been tested.The statements on toxicology were derived from the properties of the individual components.

SECTION 12: Ecological information

12.1 Toxicity
The product has not been tested. The statement is derived from the properties of the single components.

Aquatic toxicity

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This product does not contain components in concentrations of 0.1% or higher which are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

The product does not contain any substance above the legal limits that is included in the list established under Article 59(1) of Regulation (EC) No 1907/2006 on the basis of endocrine disrupting properties or that has endocrine disrupting or endocrine damaging properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7 Other adverse effects

The product does not contain any substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

12.8 Additional ecotoxicological information

Additional information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose according to legislation. (CH: Verordnung über den Verkehr mit Abfällen (VeVA), Verordnung über die Vermeidung und die Entsorgung von Abfällen (VVEA))

13.2 Additional information

Non-contaminated packages may be recycled. P501 - Return partially emptied packaging/container/can to the point of sale or to a special waste collection point. Dispose of empty packaging/container/can to municipal waste.

SECTION 14: Transport information

14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

SECTION 15: Regulatory information

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

Observe technical data sheet or other information on the label.

EU legislation

Regulation (EC) No. 648/2004 [Detergents regulation]

Authorisations and/or restrictions on use

Restrictions on use

Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no. : 3, 40, 75

National regulations

CH: Chemicals Ordinance, ChemO

Other regulations, restrictions and prohibition regulations

Switzerland

VOCV-Regulation

See section 9.1

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for this preparation. For the following substances of this mixture/preparation a chemical safety assessment has been carried out :

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1,3-Propanediamine N-(C = 10-16) alkyl derivatives reaction products with 2-chloroacetic acid ; REACH No. : 01-2120050368-56-0000 ; EC No. : 701-317-3; CAS No. : 139734-65-9 (M Acute=10) (M Chronic=1)

SECTION 16: Other information

16.1 Indication of changes

07. Hints on joint storage - Storage class

16.2 Abbreviations and acronyms

ADR = European Agreement concerning the carriage of Dangerous goods by Road
ADN = European Agreement concerning the Carriage of Dangerous Goods by Inland Waterways
ATE = Estimated values for acute toxicity
AwSV = Ordinance on Installations for Handling Substances Hazardous to Water
CAS = Chemical Abstract Service Number
CE = European Community
CLP = EC Regulation 1272/2008
CMR = cancerogen mutagen reprotoxic
DIN = German Institute for Standardisation
DNEL = Derived No Effect Level
DMEL = Derived Minimum Effect Level
EC50 = Mean effective concentration that induces a defined effect other than death in a test population
EG = European Community
EN = European standards
IATA = International Air Transport Association Dangerous Goods Regulation
IBC-Code = International Code for the construction and equipment of ships carrying dangerous chemicals in large quantities
IMDG = International Maritime Code for dangerous goods
ISO = International Organization for Standardization
LC50 = Lethal Concentration 50%
LD50 = Lethal dose 50%
MAK = Maximum workplace concentration
MARPOL = International Convention for the Protection of the Marine Environment from Ship-generated Litter
NOEC = No Observed Effect Concentration

OECD = Organisation for Economic Cooperation and Development
PBT = Persistent, bioaccumulative and toxic
pH = potential of hydrogen
PNEC = Predicted no effect concentration
PPM = parts per million
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals (EC Regulation 1907/2006)
RID = Regulation concerning the international transport of dangerous goods by train
TRGS = Technical rules for hazardous substances (german rules)
TWA = Time-weighted average exposure limit
UN-Number = UN number for the transport of dangerous goods
vPvB = Very Persistent and very Bioaccumulative as for REACH Regulation
VOC = Volatile organic Compounds

16.3 Key literature references and sources for data

Storage of hazardous substances" guidelines, 3rd revised and updated edition 2018

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

16.5 Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
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 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.