



SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Laundry Gel – Non Bio

Version: 1
Issue date: 02.12.2021

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

1.1 Product identifier

Chemical name/ trade name: **Laundry Gel – Non Bio**
UFI: 57FU-M1MH-5000-QV19
Producer: **Zenit, spol. s r.o.**
Address: **Čáslav, 286 01, Pražská 162, Czech Republic**

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

Intended use: Washing gel
Uses advised against: The use should be limited to those listed above.

1.3 Details of the supplier of the safety data sheet

Supplier of SDS: Zenit, spol. s r.o.
Address: Čáslav, 286 01, Pražská 162
Identification No.: 44707070
Tel: +420 327 304 890
www: www.zenit-caslav.cz
Responsible person for this SDS: msds@zenit-caslav

1.4 Emergency telephone number

Toxicological Information Centre: City Hospital, Dudley Rd, Birmingham, United Kingdom, Tel.: +44 121 507 4123, 844 892 0111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to the EC Regulation No. 1272/2008 (CLP):

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]:
Hazard pictogram(s): ---

Signal word(s): ---

Hazardous substance(s): ---

Hazard statement(s): ---

Precautionary statement(s):
P102 Keep out of reach of children.

Supplemental information:
EUH208 Contains Methylchloroisothiazolinone, Methylisothiazolinone. May produce an allergic reaction.

2.3 Other hazards

This mixture does not contain any substances which are classified as PBT or vPvB
This product does not contain SVHC.



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This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Name of the component	Content (weight %)	CAS EINECS Index N° Reg. Number	Classification according to Regulation (EC) No 1278/2008 (CLP)	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	1-3.3	68891-38-3 500-234-8 01-2119488639-16-0000	Aquatic Chronic 3 Eye Dam. 1 <i>SCL: C ≥ 10%</i> Eye Irrit. 2 <i>SCL: 5% ≤ C < 10%</i> Skin Irrit. 2	H412 H318 H319 H315
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (Methychloroisothiazolinone, Methychloroisothiazolinone)	0.00010-0.0011	55965-84-9 - 613-167-00-5 01-2120764691-48-0000	Acute Tox. 2 Acute Tox. 2 Aquatic Acute 1 <i>M-factor: 100</i> Eye Dam. 1 <i>SCL: C ≥ 0,6%</i> Eye Irrit. 2 <i>SCL: 0,06% ≤ C ≤ 1%</i> Skin Irrit. 2 <i>SCL: 0,06% ≤ C ≤ 1%</i> Skin Sens. 1A <i>SCL: C ≥ 0,0015%</i> Aquatic Chronic 1 <i>M-factor: 100</i> Acute Tox. 3 Skin Corr. 1C <i>SCL: C ≥ 0,6%</i>	H330 H310 H400 H318 H319 H315 H317 H410 H301 H314 EUH071

For full text of H-statements see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:

If while you are working with the product appear symptoms that need to be solved in collaboration with the doctor, tell him about the product name and its supplier or give him MSDS or the product label on the packaging. Do not smoke, eat or drink while working with the product. Observe the principles of personal hygiene. Remove contaminated clothing and protective equipment. Wash it before using it again.

Inhalation:

Move affected person to fresh air, keep him calm, prevent hypothermia.

Skin contact:

Take off all contaminated clothing. Wash thoroughly with soap and water and treat with a suitable cream. In case of inadequate washing, further irritation may occur.



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Eye contact:	Immediately rinse eyes with running water, open eyelids. If the contact lenses are used, remove them carefully and continue to rinse, the affected eye wide open from the inner corner to the outer, so that the second eye is not affected and also under the lids for at least 15 minutes. If symptoms persist, seek medical advice.
Ingestion:	Rinse mouth with water, do not induce vomiting. Do not give anything by mouth to an unconscious person; Place the person in a stabilized position and seek immediate medical attention.
Protection of first aiders:	Pay attention to personal safety during rescue work.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

In general, it is recommended to seek immediate medical attention in case of eye contact and ingestion. Furthermore, when irritating effects persist on the skin.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water mist, powder, foam, CO₂.

Unsuitable extinguishing media: Strong water jet.

5.2 Special hazards arising from the substance or mixture

Combustion products and hazardous gases: smoke, carbon monoxide, carbon dioxide. Remove closed containers, if possible, from near fires and cool them with water mist.

5.3 Advice for firefighters

Rescue teams exposed to smoke or gases must be equipped with means for eye and respiratory protection, protective clothing. In confined spaces it is necessary to use a breathing apparatus. Containers exposed to fire cool with water mist. Do not spray water directly into the container to prevent excessive foaming. Collect extinguishing water separately, and avoid its penetration into the soil and water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Prevent contamination of clothing and footwear by product and contact with skin and eyes. Wear suitable protective clothing, replace contaminated clothing. Ensure ventilation of the affected area. All persons not participating in rescue work should be taken to a safe distance.

6.2 Environmental precautions

Avoid leakage into the environment, soil, avoid ingress into surface water and sewers. In case of leakage, inform the water / sewer manager and the relevant authorities immediately.

6.3 Methods and material for containment and cleaning up

In case of leakage, locate and, if possible, drain or mechanically remove product, withdraw from the surface of the water. Allow residuals or smaller amounts to be absorbed in a suitable sorbent (kieselguhr, sand) and placed it in suitable and labelled containers and handed over to recycling / disposal of in accordance with applicable regulations.

6.4 Reference to other sections

See section 7, 8 a 13.



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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use appropriate PPE. Use only in well-ventilated areas with fresh air supply. Do not eat, drink, smoke. Wash your hands after work. Do not inhale vapours. Comply with regulations on health and safety at work. All fire precautions must be observed during handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in a vertical position to prevent leakage. Store in original packaging, in dry, well-ventilated, cool place. Do not store together with strong oxidising agents. Do not store together with food, beverage and medicines. Store at a temperature from + 5 °C to + 25 °C.

7.3 Specific end use(s)

see section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits: According to national legislation of target country.

Substance	CAS	Permissible exposure limits (mg/m ³)	Maximum permissible concentration (mg/m ³)	Note
No data available.				

Substances with Community Exposure Limits: Union occupational exposure limit values in accordance with Directive 2000/39/EC (as amended).

Substance	CAS	Limit values		Note
		OEL (mg/m ³)	STEL (mg/m ³)	
No data available.				

DNEL:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)

Exposed group and route of exposure	Duration of exposure	Type of effect	Unit	Value
Workers				
Inhalation	Long-term (chronic)	systemic	mg/m ³	175
Dermal	Long-term (chronic)	systemic	mg/kg _{bw/d}	2 750
		local	mg/kg _{bw/d}	132 µg/cm ²
Consumers				
Inhalation	Long-term (chronic)	systemic	mg/m ³	52
Dermal	Long-term (chronic)	systemic	mg/kg _{bw/d}	1 650
		local	mg/kg _{bw/d}	79 µg/cm ²
Oral	Long-term (chronic)	systemic	mg/kg _{bw/d}	15



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Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS: 55965-84-9)

Exposed group and route of exposure	Duration of exposure	Type of effect	Unit	Value
Workers				
Inhalation	Long-term (chronic)	systemic	mg/m ³	-
		local	mg/m ³	0.02
Consumers				
Inhalation	Long-term (chronic)	systemic	mg/m ³	-
		local	mg/m ³	0.02
Oral	Long-term (chronic)	systemic	mg/kg _{bw/d}	0.09

PNEC:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)

Component of the environment	PNEC	Unit	Value
Water environment	Freshwater	PNEC _{water, fresh.}	mg/L
	Freshwater, occasional leakage	PNEC _{water, fresh.}	mg/L
	Freshwater sediment	PNEC _{sed., fresh.}	mg/kg _{sediment dw}
	Seawater	PNEC _{water, mar.}	mg/L
	Marine sediment	PNEC _{sed., mar.}	mg/kg _{sediment dw}
Microbiological activity	Wastewater treatment plant	PNEC _{sew. treat.}	10 g/L
Terrestrial environment / organisms	Soil	PNEC _{soil}	mg/kg _{soil dw}

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Component of the environment	PNEC	Unit	Value
Water environment	Freshwater	PNEC _{water, fresh.}	µg/L
	Freshwater, occasional leakage	PNEC _{water, fresh.}	µg/L
	Freshwater sediment	PNEC _{sed., fresh.}	mg/kg _{sediment dw}
	Seawater	PNEC _{water, mar.}	µg/L
	Marine sediment	PNEC _{sed., mar.}	mg/kg _{sediment dw}
Microbiological activity	Wastewater treatment plant	PNEC _{sew. treat.}	mg/L
Terrestrial environment / organisms	Soil	PNEC _{soil}	mg/kg _{soil dw}

DNELs and PNECs values for the other components of the mixture haven't been determined.

8.2 Exposure controls

Technical measures:

Technical measures and appropriate work procedures take precedence over personal protective equipment. Observe the usual hygiene principles. Do not eat, drink, smoke. Before breaks and after work wash your hands with warm water and soap.

Individual protection measures

Respiratory protection:

Not necessary for normal use and handling.

Hand protection:

Not necessary for normal use and handling.

Eye / face protection:

Not necessary for normal use and handling.



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Skin protection: Not necessary for normal use and handling.
Thermal hazards: No data available.
Environmental exposure controls: Avoid unnecessary releases into the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid
Colour: White
Odour: No data available.
Odour threshold: No data available.
pH : 6 - 7
Melting point / freezing point (°C): No data available.
Boiling point or initial boiling point and boiling range (°C): No data available.
Flash point (°C): No data available.
Evaporation rate: No data available.
Flammability (gases, liquids and solids): No data available.

Lower and upper explosion limit: No data available.
Vapour pressure (20 °C): No data available.
Vapour pressure (50 °C): No data available.
Relative vapour density: No data available.
Density and/or relative density (g/cm³, 20 °C): 1.04
Solubility (20 °C): Soluble
Partition coefficient n-octanol/water (log value): No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Kinematic viscosity: No data available.
Refractive index (20 °C): No data available.
Oxidising properties: No data available.
Explosive properties: No data available.
Particle characteristics: No data available.

9.2 Other information

VOC (%): 0
Dry matter content: No data available.
Additional information: No data available.

9.2.1 Information with regard to physical hazard classes

The product has no physical hazards.

9.2.2 Other safety characteristics:

mechanical sensitivity: No data available.
self-accelerating polymerisation temperature: No data available.
formation of explosible dust/air mixtures: No data available.

acid/alkaline reserve: No data available.
evaporation rate: No data available.
miscibility: No data available.



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conductivity: No data available.
corrosiveness: No data available.
gas group: No data available.
redox potential: No data available.
radical formation potential: No data available.
photocatalytic properties: No data available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** The product is stable at the specified conditions of storage, handling and use.
- 10.2 Chemical stability** The product is stable at the specified conditions of storage, handling and use.
- 10.3 Possibility of hazardous reactions** With proper use, there is no hazardous reactions.
- 10.4 Conditions to avoid** They are not subject to prescribed use and storage.
- 10.5 Incompatible materials** Strong oxidizing agents, strong acids, strong alkalines.
- 10.6 Hazardous decomposition products** Hazardous decomposition products are not known.

SECTION 11: Toxicological information

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

Individual components

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)

Acute toxicity:

Test type	Results	Exposure	Tested organisms
OECD 401, key study	4 100 mg/kg bw, LD50 2 870 mg/kg bw, LD50	oral: gavage	rat
OECD 402, key study	>= 2 000 mg/kg bw, LD50	dermal	rat

Serious eye damage / irritation:

Test type	Results	Exposure	Tested organisms
OECD 405, weight of evidence	other: Eye irrit. 2, H319. Classification according to Regulation (EC) No. 1272/2008 (CLP/EU GHS).	Eye	rabbit

Skin corrosion / irritation:

Test type	Results	Exposure	Tested organisms
OECD 404, key study	other: Skin irrit. 2, H315. Classification according to Regulation (EC) No. 1272/2008 (CLP/EU GHS).	Skin	rabbit

Respiratory or skin sensitisation:

Test type	Results	Exposure	Tested organisms
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OECD 406, key study	other: CLP/EU GHS criteria not met, no classification required according to Regulation (EC) No. 1272/2008.	Skin	guinea pig
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STOT - single exposure:

Test type	Results	Exposure	Tested organisms
	No data available.		

STOT - repeated exposure:

Test type	Results	Exposure	Tested organisms
OECD 408, key study	> 225 mg/kg bw/day (nominal), NOAEL 25 mg/kg bw/day (actual dose received), LOAEL 25 mg/kg bw/day (actual dose received)	oral	rat
OECD 411, key study	other: 2.38, NOEL 68 mg/kg bw/day (nominal), NOEL other: 6.91, LOEL other: ≥ 6.91 , NOEL ≥ 195 mg/kg bw/day (nominal), NOEL	dermal	mouse

Carcinogenicity:

Test type	Results	Exposure	Tested organisms
	No data available.		

Germ cell mutagenicity:

Test type	Results	Exposure	Tested organisms
OECD 475, key study	negative	oral: gavage	mouse

Reproductive toxicity:

Test type	Results	Exposure	Tested organisms
OECD 416, key study	300 mg/kg bw/day (nominal), NOAEL 300 mg/kg bw/day (nominal), NOAEL 300 mg/kg bw/day (nominal), NOAEL 300 mg/kg bw/day (nominal), NOAEL	oral: drinking water	rat

Aspiration hazard:

Test type	Results	Exposure	Tested organisms
	No data available.		



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Acute toxicity:

Test type	Results	Exposure	Tested organisms
OECD 423, key study	200 mg/kg bw, LD50	oral: gavage	rat
OECD 402, key study	> 141 mg/kg bw, other: > 1 008 mg/kg bw, LD50	dermal	rat
OECD 403, key study	2.36 mg/L air, LC50 0.33 mg/L air, LC50	inhalation: aerosol	rat

Serious eye damage / irritation:

Test type	Results	Exposure	Tested organisms
key study	Category 1 (irreversible effects on the eye) based on GHS criteria	Eye	rabbit

Skin corrosion / irritation:

Test type	Results	Exposure	Tested organisms
OECD 404, key study	corrosive	Skin	rabbit

Respiratory or skin sensitisation:

Test type	Results	Exposure	Tested organisms
key study	Category 1A (indication of significant skin sensitising potential) based on GHS criteria	Skin	mouse

STOT - single exposure:

Test type	Results	Exposure	Tested organisms
	No data available.		

STOT - repeated exposure:

Test type	Results	Exposure	Tested organisms
OECD 409, key study	22 mg/kg bw/day (actual dose received), NOAEL	oral	dog
OECD 413, key study	0.34 mg/m ³ air (analytical), NOAEL 1.15 mg/m ³ air (analytical), LOAEL	inhalation	rat
key study	2.625 mg/kg bw/day, NOAEL 0.105 mg/kg bw/day, NOAEL 0.525 mg/kg bw/day, LOAEL other: , NOAEL	dermal	rat

Carcinogenicity:

Test type	Results	Exposure	Tested organisms
OECD 453, key study	300 ppm (nominal), NOEL 30 ppm (nominal), NOEL	oral: drinking water	rat



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Germ cell mutagenicity:

Test type	Results	Exposure	Tested organisms
OECD 475, key study	negative	oral: gavage	mouse

Reproductive toxicity:

Test type	Results	Exposure	Tested organisms
OECD 416, key study	30 ppm, NOAEL 30 ppm, NOAEL 300 ppm, NOAEL 300 ppm, NOEL 300 ppm, NOAEL	oral: drinking water	rat

Aspiration hazard:

Test type	Results	Exposure	Tested organisms
	No data available.		

Mixture:

Acute toxicity:	The product does not meet the criteria for classification.
Serious eye damage / irritation:	The product does not meet the criteria for classification.
Skin corrosion / irritation:	The product does not meet the criteria for classification.
Respiratory or skin sensitisation:	Contains Methylchloroisothiazolinone, Methylisothiazolinone. May produce an allergic reaction.
STOT - single exposure:	The product does not meet the criteria for classification.
STOT - repeated exposure:	The product does not meet the criteria for classification.
Carcinogenicity:	The product does not meet the criteria for classification.
Germ cell mutagenicity:	The product does not meet the criteria for classification.
Reproductive toxicity:	The product does not meet the criteria for classification.
Aspiration hazard:	The product does not meet the criteria for classification.

11.2 Information on other hazards Endocrine disrupting properties

This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

Other information: No data available.

SECTION 12: Ecological information

12.1 Toxicity

The product does not meet the criteria for classification.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)

Toxicity	Tested organisms	Results	Test type
Acute toxicity to fish	<i>Danio rerio</i> (previous name: <i>Brachydanio rerio</i>)	7.1 mg/L, LC50 / 96 h	OECD 203
Acute toxicity to invertebrates	<i>Daphnia magna</i>	7.4 mg/L, EC50 / 48 h	OECD 202
Acute toxicity to aquatic algae	<i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)	27.7 mg/L, EC50 / 72 h 4.4 mg/L, EC10 / 72 h 0.95 mg/L, NOEC / 72 h	OECD 201



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Toxicity	Tested organisms	Results	Test type
Acute toxicity to fish	<i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)	0.19 mg/L, LC50 / 96 h 0.13 mg/L, NOEC / 96 h	
Acute toxicity to invertebrates	<i>Americamysis bahia</i> (previous name: <i>Mysidopsis bahia</i>)	0.282 mg/L, LC50 / 96 h	
Acute toxicity to aquatic algae	<i>Skeletonema costatum</i>	0.49 µg/L, NOEC / 48 h 19.9 µg/L, EC50 / 72 h 37.1 µg/L, EC50 / 48 h	OECD 201

- 12.2 Persistence and degradability** No data available.
- 12.3 Bioaccumulative potential** No data available.
- 12.4 Mobility in soil** No data available.
- 12.5 Results of PBT and vPvB assessment** This mixture does not contain any substances which are classified as PBT or vPvB
- 12.6 Endocrine disrupting properties** This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.
- 12.7 Other adverse effects** No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Catalogue No. of mixture waste: 20 01 29 - Detergents containing dangerous substances.
- Waste codes / waste designations according to LoW: 15 01 10 - Packaging containing residues of or contaminated by dangerous substances.
- Recommended procedure for mixture waste disposal: Remains of the mixture to be collected in labelled containers and handed over to a person authorized to handle hazardous waste. Suitable method of disposal: incineration in hazardous waste incineration plant. If possible, regenerate the product.
- Recommended procedure for packaging disposal: Empty containers must be disposed of in accordance with valid waste legislation. After perfect cleaning, the packaging can be used as a secondary raw material for the same purpose. Recommended way of disposing of is recycling, burning in a hazardous waste incinerator or storing hazardous waste.
- Physical / chemical properties that may affect waste treatment method: No data available.
- Sewage disposal-relevant information: Protect against weathering. Prevent leakage of waste into the water / soil / sewage system. In case of leakage, inform the competent authorities.
- Other disposal recommendations: Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Type of transport	Land transport ADR/RID	Sea transport IMDG	Air Transport ICAO / IATA
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14.1	UN number or ID number			
14.2	UN proper shipping name	There is no dangerous good in terms of transport.	There is no dangerous good in terms of transport.	There is no dangerous good in terms of transport.
14.3	Transport hazard class(es)			
	Classification code		-	-
	EmS	-		-
	Packaging instructions			
	Labels			
14.4	Packing group			

- 14.5 Environmental hazards No.
- 14.6 Special precautions for user No data available.
- 14.7 Maritime transport in bulk according to IMO instruments Not specified.

Other information

Type of transport	Land transport ADR/RID	Sea transport IMDG	Air Transport ICAO / IATA
Limited quantities:			
Excepted quantities:			
Transport category:		-	-
Tunnel restriction code:		-	-
Segregation group:	-		-

SECTION 15: Regulatory information

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

Regulation (EC) No. 1272/2008 (CLP) on classification, labelling and packaging of substances and mixtures, ...
Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), ...
Applicable national regulations.

15.2 Chemical safety assessment

No chemical safety assessment has been performed.

SECTION 16: Other information

Complete text of all classifications and hazard classes referred to in SECTION 3

Hazard class: Acute Tox. 2 - Acute Toxicity, category 2
Acute Tox. 3 - Acute Toxicity, category 3



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Acute Tox. 4 - Acute Toxicity, category 4
Aquatic Acute 1 - Acute aquatic toxicity, category 1
Aquatic Chronic 1 - Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2 - Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3 - Chronic (long term) aquatic hazard, category 3
Eye Dam. 1 - Serious eye damage, category 1
Eye Irrit. 2 - Eye irritation, category 2
Skin Corr. 1C - Skin corrosion, category 1C
Skin Irrit. 2 - Skin irritation, category 2
Skin Sens. 1A - Skin sensitisation, category 1A

H-statements:

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Abbreviations:

ADN	Inland waterways
ADR	Accord Dangereuses Route
CAS	Chemical Abstracts Service
DNEL	Derived no-effect level
EC50	Effect concentration for 50%
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effect level for 50%
IATA	International Air Transport Association
IC50	Inhibition concentration for 50%
ICAO	International Civil Aviation Organization
IL 50	Inhibition load for 50%
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration for 50%
LD50	Lethal dose for 50%
LL50	Lethal load for 50%
LOAEC	Lowest observable adverse effect concentration
LOAEL	Lowest observable adverse effect level
LOEC	Lowest observable effect concentration
LOEL	Lowest observable effect level
NEL	No effect level
NOAEC	No observable adverse effect concentration
NOAEL	No observable adverse effect level
NOEC	No observable effect concentration



SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Laundry Gel – Non Bio

Version: 1
Issue date: 02.12.2021

NOEL	No observable effect level
NPK-P	Maximum permissible concentration
OEL	Occupational Exposure Limit (workplace exposure limit - 8 hours / shift)
PBT	Persistent, bioaccumulative and toxic
PEL	Permissible exposure limits
PNEC	Predicted no-effect concentration
RID	Regulations for the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limits
STEL	Short Term Exposure Limit (short exposure - corresponds to approx. 15 min.)
TT	Toxic threshold
VOC	Volatile organic substances
vPvB	Very persistent and very bioaccumulative
WGK	Hazard classes for water (Wassergefährdungsklassen)

Indication of changes:

This revision is the first issue of a safety data sheet and is in accordance with Regulation (EC) No. 1272/2008 (CLP).

Key literature references and sources for data: information from the manufacturer; CASEC database

Classification was performed by calculation method.

Instructions for training:

Workers who come into contact with hazardous substances/mixtures must be in the necessary extent informed about the effects of these substances/mixtures, about the ways how to deal with them.

Workers must be in the necessary extent informed with protective measures, the principles of first aid, with the necessary sanitation practices and procedures for liquidation of failures and accidents.

A person dealing with this chemical product must be familiar with the safety rules and the data given in the MSDS.

If the hazardous chemical substance / mixture is classified as corrosive or toxic, workers must be familiar with the rules for handling with corrosive / toxic chemical substance/mixture.

Persons transporting hazardous substances must be familiar with the guidelines for emergency response in accordance with the regulations of ADR / RID.

Other information:

The above information describes the conditions for safe handling and corresponds with current knowledge of the manufacturer.

The manufacturer bears responsibility for the above described properties of the product when used according to specifications.

The user is responsible for determining suitability of product for specific purposes and adapt security measures if such application is contrary to the manufacturer's recommendations.