

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: February 28, 2024

Version No.: 1.0

Revision: February 28, 2024

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

• **1.1 Product identifier**

• **Trade name:**

Laundry Detergent Sheet

• **Other means of identification:**

Registration number: No available data.

UFI code: No available data.

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

• **Application of the substance/ mixture:**

Consumer uses, cleaning.

• **Uses advised against:**

No available data.

• **Reason why uses advised against:**

No available data.

• **1.3 Details of the supplier of the safety data sheet**

• **Manufacturer/Supplier:**

SHANGHAL XISI NONWOVENS PRODUCTS CO., LTD.

NO.2 BUILDING, NO.285 TIANGONG RD, JINSHAN INDUSTRIAL PARK, SHANGHAI.

Post code: 201506

Tel: +(86)-20-3901-2430

Email: +86 018930068728

National contact: Zhong jianjia

• **Only Representative/other EU contact point:**

No information available.

• **Further information obtainable from:**

SHANGHAL XISI NONWOVENS PRODUCTS CO., LTD.

• **1.4 Emergency telephone number**

Tel: +86-018930068728 (24 hours available, for English service)

SECTION 2: Hazards identification

• **2.1 Classification of the substance or mixture**

• **2.1.1 Classification according to regulation (EC) 1272/2008:**

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Skin Irrit.2, H315	Additivity approach
Skin Sens. 1, H317	Cut-off values/concentration limits approach
Eye Dam. 1, H318	Additivity approach
STOT SE 3, H335	Additivity approach
Aquatic Chronic 3, H412	Summation method

• **2.1.2 Additional information:**

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

• **2.2 Label elements**

• **Labeling according to Regulation (EC) No 1272/2008:**

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The product is labelled according to CLP Regulation.

· Hazard pictograms:

GHS05 GHS07

· Signal word:

Danger

· Hazard-determining components of labelling:

Sodium dodecyl sulphate

Ethoxylated C12-14 alcohols

Isotridecanol, ethoxylated

Cocamidopropyl betaine

· Hazard statements:

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects

· Precautionary statement:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P261	Avoid breathing dust.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P405	Store locked up.

· Supplemental label elements:

Contains: protease.

· 2.3 Other hazardsNone of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.**SECTION 3: Composition/information on ingredients****· 3.1 Substance**

Not applicable

· 3.2 Mixtures**· Description of the mixture:**

Laundry Detergent Sheet.

Ingredients:

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Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classification	SCL/M-factor/ATE
Sodium dodecyl sulphate	151-21-3	-	205-788-1	34.6	Flam. Sol. 2, H228 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412	ATE (oral)= 1228 mg/kg
Polyvinyl alcohol	25213-24-5	-	-	25.35	Eye Irrit. 2, H319	-
Water	7732-18-5	-	231-791-2	8.53	None	-
Kaolin, calcined	92704-41-1	-	296-473-8	8.5	None	-
Ethoxylated C12-14 alcohols	68439-50-9	-	-	5.75	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412	M=1
Glycerin	56-81-5	-	200-289-5	3.8	None	-
Sodium citrate	6132-04-3	-	-	3.5	None	-
Isotridecanol, ethoxylated	69011-36-5	-	500-241-6	3.5	Eye Dam. 1, H318 Aquatic Chronic 3, H412	-
Zeolite	68989-22-0	-	-	3.4	None	-
Cocamidopropyl betaine	61789-40-0	-	263-058-8	1.15	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	-
Protease	9014-01-1	647-012-00-8	232-752-2	0.9	Acute Tox. 4, H302 Skin Irrit.2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	ATE (oral)=1800 mg/kg M=1
Citric acid	5949-29-1	-	-	0.5	Eye Irrit. 2, H319 STOT SE 3, H335	-
Fragrance	-	-	-	0.4	None	-
Saponins	8047-15-2	-	232-462-6	0.1	Eye Irrit. 2, H319 STOT SE 3, H335	-
Silver acetate	563-63-3	-	209-254-9	0.02	Skin Irrit.2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	M=100 M(Chronic)=100

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					Aquatic Acute 1, H400 Aquatic Chronic 1, H410
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Additional information:

Full text of H- and EUH-statements, see SECTION 16.

SECTION 4: First aid measures**· 4.1 Description of first aid measures****General advice:**

If medical advice is needed, have product container or label at hand.

After inhalation:

Remove person to fresh air and keep comfortable for breathing.

Get medical attention if you feel unwell.

After skin contact:

Wash skin with plenty of water.

If there are signs of irritation or other symptoms, seek medical attention.

After eye contact:

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTER/doctor.

After swallowing:

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

· 4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are as indicated in sections 2 and 11.

· 4.3 Indication of any immediate medical attention and special treatment needed:

Treat according to symptom, there is not known specific medicine.

SECTION 5: Fire-fighting measures**· 5.1 Extinguishing media****· Suitable extinguishing agents:**Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.**· Unsuitable extinguishing media:**

Water with full jet.

· 5.2 Special hazards arising from the substance or mixture:

May produce toxic/irritant/ allergic dust in air under fire.

· 5.3 Advice for firefighters**Protective equipment:**

Wear self-contained breathing apparatus for firefighting.

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SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures**· 6.1.1 For non-emergency personnel****Protective equipment:**

Protective gloves/eye protection/face protection and respiration protection.

Emergency procedures:

Ensure adequate ventilation.

Avoid breathing dust.

Avoid contact with skin and eyes.

Avoid release to the environment.

· 6.1.2 For emergency responders**Personal protective equipment:**

Protective gloves/eye protection/face protection and respiration protection.

· 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.

Prevent spillage from entering drains, sewer, basement or confined areas.

If the spillage contaminates rivers, lakes or drains inform respective authorities.

· 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to section 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 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling:

Read label before use.

Ensure good ventilation/exhaustion at the workplace.

Avoid breathing dust.

Avoid contact with skin and eyes.

Avoid release to the environment.

· Information about fire and explosion protection:

Normal measures for preventive fire protection.

· 7.2 Conditions for safe storage, including any non-compatibility**· Requirements to be met by storerooms and receptacles:**

Store in a cool and well-ventilated place.

· Information about storage in one common storage facility:

Keep out of reach of children.

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Store locked up.

• Storage class:

13.

• 7.3 Specific end use(s):

See section 1.2.

SECTION 8: Exposure controls/personal protection**• 8.1 Control parameters****• Ingredients with limit values that require monitoring at the workplace:**

Country	Limit value - Eight hours	Limit value - Short term
56-81-5 Glycerin		
Belgium	10 mg/m ³	-
Finland	20 mg/m ³	-
France	10 mg/m ³	-
Germany (DFG)	200 mg/m ³ Inhalable fraction	400 mg/m ³ Inhalable fraction; 15 minutes average value
Ireland	10 mg/m ³	-
Poland	10 mg/m ³	-
Spain	10 mg/m ³	-
United Kingdom	10 mg/m ³	-
9014-01-1 Protease		
Belgium	0.00006 mg/m ³	-
Denmark	0.00006 mg/m ³	0.00006 mg/m ³
Ireland	0.00006 mg/m ³	0.00006 mg/m ³ 15 minutes reference period
Spain	-	0.00006 mg/m ³
Sweden	1 mg/m ³ glycine unit/m ³	3 mg/m ³ glycine unit/m ³ 15 minutes average value
United Kingdom	0.00004 mg/m ³	-

• DNELs:

DNEL type	DNEL worker value	DNEL consumer value
151-21-3 Sodium dodecyl sulphate		
Systemic effects	Long-term, inhalation exposure	285 mg/m ³
	Long-term, dermal exposure	4 060 mg/kg bw/day
	Long-term, oral exposure	-
68439-50-9 Ethoxylated C12-14 alcohols		
Systemic effects	Long-term, inhalation exposure	19.6 mg/m ³
	Long-term, dermal exposure	187 mg/kg bw/day
	Long-term, oral exposure	-
69011-36-5 Isotridecanol, ethoxylated		
Systemic effects	Long-term, inhalation exposure	37 mg/m ³
	Long-term, dermal exposure	263 mg/kg bw/day
	Long-term, oral exposure	-
61789-40-0 Cocamidopropyl betaine		

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Systemic effects	Long-term, inhalation exposure	8.22 mg/m ³	1.23 mg/m ³
	Long-term, dermal exposure	2.33 mg/kg bw/day	833 µg/kg bw/day
	Long-term, oral exposure	-	833 µg/kg bw/day

• **PNECs:**

PNEC type	Value
151-21-3 Sodium dodecyl sulphate	
Freshwater	176 µg/L
Intermittent releases (freshwater)	55 µg/L
Marine water	17.6 µg/L
Sewage treatment plant (STP)	1.35 mg/L
Sediment (freshwater)	6.97 mg/kg sediment dw
Sediment (marine water)	697 µg/kg sediment dw
Soil	1.29 mg/kg soil dw
68439-50-9 Ethoxylated C12-14 alcohols	
Freshwater	3.4 µg/L
Intermittent releases (freshwater)	445 ng/L
Marine water	340 ng/L
Intermittent releases (marine water)	44.5 ng/L
Sewage treatment plant (STP)	200 µg/L
Sediment (freshwater)	89.5 µg/kg sediment dw
Sediment (marine water)	8.95 µg/kg sediment dw
Soil	16 µg/kg soil dw
69011-36-5 Isotridecanol, ethoxylated	
Freshwater	4.36 µg/L
Intermittent releases (freshwater)	5.44 µg/L
Marine water	436 ng/L
Intermittent releases (marine water)	544 ng/L
Sewage treatment plant (STP)	4.35 mg/L
Sediment (freshwater)	119.4 µg/kg sediment dw
Sediment (marine water)	11.94 µg/kg sediment dw
Soil	21.3 µg/kg soil dw
61789-40-0 Cocamidopropyl betaine	
Freshwater	3.2 µg/L
Intermittent releases (freshwater)	20 µg/L
Marine water	320 ng/L
Intermittent releases (marine water)	2 µg/L
Sewage treatment plant (STP)	300 mg/L
Sediment (freshwater)	219 µg/kg sediment dw
Sediment (marine water)	21.9 µg/kg sediment dw
Soil	41.9 µg/kg soil dw

• **Additional information:**

The lists valid during the marking were used as basis.

• **8.2 Exposure controls**

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• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

See section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Eye and face protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Safety glasses

Protective goggles with side-shields.

• **Skin protection**

• **Hand protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.3mm; breakthrough times up to 480 minutes).

• **Other skin protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Face protection



Safety boots



Safety overalls

Face shield, gauntlets, boots, bodysuit are recommended.

• **Respiration protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Respiratory equipment

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

• **Thermal hazards:**

Not required under normal conditions of use.

For industrial applications, following protection required:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

• **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· Physical state	Solid
· Color	White
· Odor & Odor threshold	Characteristic
· Melting point/freezing point (or softening point/range)	Not determined
· Boiling point or initial boiling point and boiling range	Not determined
· Flammability	Not flammable solid
· Lower and upper explosion limit	Not determined
· Flash point	Not applicable
· Auto-ignition temperature	Not determined
· Decomposition temperature	Not determined
· pH	Not determined
· Kinematic viscosity (mm ² /s)	Not applicable
· Solubility	Not determined
· Partition coefficient n-octanol/water (log value)	Not applicable
· Vapor pressure	Not determined
· Density and/or relative density	Not determined
· Relative vapor density	Not determined
· Particle characteristics	Not determined

9.2 Other information

9.2.1 Information with regard to physical hazard classes:

· Explosives	Not applicable
· Flammable gases	Not applicable
· Aerosols	Not applicable
· Oxidising gases	Not applicable
· Gases under pressure	Not applicable
· Flammable liquids	Not applicable
· Flammable solids	Not applicable
· Self-reactive substances and mixtures	Not applicable
· Pyrophoric liquids	Not applicable
· Pyrophoric solids	Not applicable
· Self-heating substances and mixtures	Not applicable
· Substances and mixtures, which emit flammable gases in contact with water	Not applicable
· Oxidizing liquids	Not applicable
· Oxidizing solids	Not applicable
· Organic peroxides	Not applicable
· Corrosive to metals	Not applicable
· Desensitised explosives	Not applicable

9.2.2 Other safety characteristics

· Mechanical sensitivity	Not applicable
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• Self-accelerating polymerisation temperature	Not applicable
• Formation of explosible dust/air mixtures	Not applicable
• Acid/alkaline reserve	Not applicable
• Evaporation rate	Not applicable
• Miscibility	Not applicable
• Conductivity	Not applicable
• Corrosiveness	Not applicable
• Gas group	Not applicable
• Redox potential	Not applicable
• Radical formation potential	Not applicable
• Photocatalytic properties	Not applicable
• Other physical and chemical parameters	Not determined

SECTION 10: Stability and reactivity

• 10.1 Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

• 10.2 Chemical stability:

Under storage at normal ambient temperatures, the product is stable.

• 10.3 Possibility of hazardous reactions:

No known hazardous reaction.

• 10.4 Conditions to avoid:

High temperature.

• 10.5 Incompatible materials:

Strong oxidizing agent and acids.

• 10.6 Hazardous decomposition products:

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

• 11.1 Information on toxicological effects

• Acute toxicity:

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

Species	Effective Dose	Results	Method/Source
151-21-3 Sodium dodecyl sulfate			
Rat	LD50-oral	1290 mg/kg	Toxicological Data, compiled by the National Institute of Health (NIH), USA, selected and distributed by Technical Database Services (TDS), New York, 2009.
Rat	LC50-inhalation	>3900 mg/m ³ /1H	BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., 23-3/1971.
Rat	LD50-dermal	>2000 mg/kg	ECHA registered dossier.

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Rabbit	LD50-dermal	580 mg/kg	Henkel KGaA Duesseldorf [IUCLID 2000]
68439-50-9 Ethoxylated C12-14 alcohols			
Rat	LD50-oral	>2000 mg/kg	ECHA registered dossier.
69011-36-5 Isotridecanol, ethoxylated			
Rat	LD50-oral	>10000 mg/kg	ECHA registered dossier.
Rabbit	LD50-dermal	7.07 mL/kg	ECHA registered dossier.
61789-40-0 Cocamidopropyl betaine			
Rat	LD50-oral	>5000 mg/kg	ECHA registered dossier.
Rabbit	LD50-dermal	2000 mg/kg	ECHA registered dossier.
9014-01-1 Protease			
Rat	LD50-oral	3700 mg/kg	Toxicological Data, compiled by the National Institute of Health (NIH), USA, selected and distributed by Technical Database Services (TDS), New York, 2009.

• **Skin corrosion/irritation:**

Causes skin irritation.

• **Serious eyes damage/ irritation:**

Causes serious eye damage.

• **Respiratory or skin sensitization:**

May cause an allergic skin reaction.

• **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:**

May cause respiratory irritation.

• **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**

• **11.2.1 Endocrine disrupting properties:**

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

• **11.2.2 Other information:**

No known other relevant information on adverse health effects.

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SECTION 12: Ecological information

• 12.1 Toxicity:

Species	Effect dose	Test duration	Value
<i>151-21-3 Sodium dodecyl sulphate</i>			
<i>Pimephales promelas</i>	LC50	96h	29 mg/L
<i>Cyprinodon variegatus</i>	LC50	96h	4.1 mg/L
<i>Pimephales promelas</i>	NOEC	42d	≥ 1.36 mg/L
<i>Ceriodaphnia dubia</i>	EC50	48h	5.55 mg/L
<i>Artemia salina</i>	LC50	48h	3.15 mg/L
<i>Desmodesmus subspicatus</i>	EC50	72h	120 mg/L
<i>Desmodesmus subspicatus</i>	NOEC	72h	30 mg/L
<i>68439-50-9 Ethoxylated C12-14 alcohols</i>			
<i>Pimephales promelas</i>	LC50	96h	0.423 mg/L
<i>Pimephales promelas</i>	NOEC	28d	0.251 mg/L
<i>Daphnia magna</i>	EC50	48h	0.125 mg/L
<i>Daphnia magna</i>	NOEC	21d	0.054 mg/L
<i>Raphidocelis subcapitata</i>	EC50	72h	0.0445 mg/L
<i>Raphidocelis subcapitata</i>	NOEC	72h	0.034 mg/L
<i>69011-36-5 Isotridecanol, ethoxylated</i>			
<i>Daphnia magna</i>	NOEC	21d	218 µg/L
<i>Desmodesmus subspicatus</i>	EC50	72h	3.4 mg/L
<i>Desmodesmus subspicatus</i>	NOEC	72h	1.33 mg/L

• 12.2 Persistence and degradability:

CAS	Substance	Biodegradation	Hydrolysis
151-21-3	Sodium dodecyl sulphate	95%(28d)	-
68439-50-9	Ethoxylated C12-14 alcohols	95%(28d)	-
69011-36-5	Isotridecanol, ethoxylated	75%(28d)	-

• 12.3 Bio-accumulative potential:

CAS	Substance	Log Pow	BCF
151-21-3	Sodium dodecyl sulphate	-2.03	-
68439-50-9	Ethoxylated C12-14 alcohols	5.24	-
69011-36-5	Isotridecanol, ethoxylated	4.73	-

• 12.4 Mobility in soil:

CAS	Substance	Surface tension (mN/m)	Log Koc
151-21-3	Sodium dodecyl sulphate	25.2 mN/m (1 g/l, 23°C)	2.5
68439-50-9	Ethoxylated C12-14 alcohols	41.46 mN/m (0.98 mg/L, 25°C)	2.36
69011-36-5	Isotridecanol, ethoxylated	30 mN/m (20 mg/L, 25°C)	2.645

• 12.5 Results of PBT and vPvB assessment:

This mixture does not contain any substances (≥0.1%) that are assessed to be a PBT or a vPvB.

• 12.6 Endocrine disrupting properties:

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None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

• **12.7 Other adverse effects:**

No known other adverse effects.

• **12.8 Additional ecological information**

• **General notes:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

• **13.1 Waste treatment methods**

• **Recommendation:**

Must not be disposed together with household garbage.

• **13.2 Un-cleaned packaging**

• **Recommendation:**

Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

• **ADR/ADN/RID (2023 Edition)**

This product is not subject to ADR/ADN/RID.

• **IATA-DGR (65th)**

This product is not subject to IATA-DGR.

• **IMO/IMDG (41-22)**

This product is not subject to IMO/IMDG code.

SECTION 15: Regulatory information

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

• **MAK (German Maximum Workplace Concentration):**

None of the ingredients is listed.

• **Directive 2012/18/EU**

• **Named dangerous substances-ANNEX I:**

None of the ingredients is listed.

• **Seveso category:**

Not applicable

• **Qualifying quantity (tonnes) for the application of lower-tier requirements:**

Not applicable

• **Qualifying quantity (tonnes) for the application of upper-tier requirements:**

Not applicable

• **National regulations.**

• **Water hazard class:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

• **Other regulations, limitations and prohibitive regulations**

• **SVHC Candidate list of REACH Regulation Annex XIV Authorization:**

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None of the ingredients is listed.

• **REACH Regulation Annex XVII Restriction:**

None of the ingredients is listed.

• **REACH Regulation Annex XIV Authorization List:**

None of the ingredients is listed.

• **15.2 Chemical safety assessment:**

A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

• **16.1 Indication of changes:**

None.

• **16.2 Abbreviations and acronyms:**

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.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Flam. Sol. 1: Flammable solids, hazard category 1

Acute Tox. 4: Acute toxicity, hazard category 4

Skin Irrit. 2: Skin corrosion/irritation, hazard category 2

Skin Sens. 1: Skin sensitization, hazard category 1

Eye Dam. 1: Eye damage/irritation, hazard category 1

Eye Irrit. 2: Eye damage/irritation, hazard category 2

Resp. Sens. 1: Respiratory sensitization, hazard category 1

STOT SE 3: Specific target organ toxicity after single exposure, hazard category 3

Aquatic Acute 1: Short-term (acute) aquatic hazard, hazard category 1

Aquatic Chronic 2: Long-term (chronic) aquatic hazard, hazard category 2

Aquatic Chronic 3: Long-term (chronic) aquatic hazard, hazard category 3

• **16.3 Key literature references and sources for data:**

<https://echa.europa.eu/>

<https://chem.nlm.nih.gov/>

<https://www.osha.gov/>

<http://www.unece.org/>

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

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Trade Name: Laundry Detergent Sheet<http://www.imo.org/><https://www.dguv.de/><https://epa.govt.nz/><http://www.ilo.org/><https://www.phmsa.dot.gov/>**· 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:**

See section 2.1 (classification).

· 16.5 Relevant H- and EUH-phrases (number and full text):

H228 Flammable solid

H302 Harmful if swallowed

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H319 Causes serious eye irritation

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

· 16.6 Training advice:

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally required documents need to be available for workers in easy to understand language.

· 16.7 Further information:

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

DISCLAIMER OF LIABILITY:

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End of safety data sheet