

SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

TONGO Washing powder

Date of revision: 08. 09. 2025

Version: 2.0

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

1.1. Product identifier

Product Name

TONGO Washing powder

UFI code

UFI: SP31-T0HV-M00K-9K41

Product code

PBZPT.R01a

Mixture description

Mixture of chemical substances.

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

Identified uses

Washing powder for washing clothes in households and in industry.
Professional and consumer use.

Uses advised against

Not known. It is recommended to use it only for the intended use. Other uses may expose users to unpredictable risks.

1.3. Details of the supplier of the safety data sheet

Registered office:

CORMEN s.r.o.

Věchnov 73

593 01

Czech Republic

Tel.: +420 566 550 961

Fax: +420 566 551 822

Trade establishment:

CORMEN s.r.o.

Průmyslová 1420

593 01 Bystřice nad Pernštejnem

Czech Republic

Tel.: +420 565 400 300

e-mail address for a competent person responsible for the SDS: info@cormen.cz

1.4. Emergency telephone number

112 (General emergency phone).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture is classified as **hazardous** according to regulation 1272/2008/EC.

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Classification according to 1272/2008/EC

Skin Irrit. 2; H315

Eye Dam. 1; H318

Full text of classifications and H-phrases: see section 16.

The most important adverse physical, human health and environmental effects

Causes skin irritation. Causes serious eye damage.

2.2. Label elements

Hazard pictograms



Signal word

Danger

Substances of the mixture to be placed on the label

Contains Sodium percarbonate, Disodium metasilicate.

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. **Dispose of the cleaned packaging without any residual product content in the sorted waste.**

Supplemental hazard information

Mandatory additional information is not required according to CLP regulation.

Composition according to regulation 648/2004/EC on detergents: ≥ 5 - < 15 % oxygen-based bleaching agents, $< 5\%$ non-ionic surfactants, anionic surfactants, soap, polycarboxylates, perfumes, optical brighteners, enzymes.

2.3. Other hazards

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Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

3.2.1. Substances of a mixture classified as hazardous

Identification of substance		Content wt. %	Classification according to 1272/2008/EC
Sodium carbonate			
CAS Number	497-19-8	15 - < 30	Eye Irrit. 2; H319
EC Number	207-838-8		
Index Number	011-005-00-2		
Registration Number	01-2119485498-19-XXXX		
Disodium carbonate, compound with hydrogen peroxide (2:3); Sodium percarbonate			
CAS Number	15630-89-4	1 - < 10	Ox. Sol. 3; H272
EC Number	239-707-6		Acute Tox. 4; H302
Index Number	not given		Eye Dam. 1; H318
Registration Number	01-2119457268-30-XXXX		ATE _{oral} = 1 034 mg/kg bw
The substance has specific concentration limits:			
Eye Dam. 1; H318	C ≥ 25 %		
Eye Irrit. 2; H319	7.5 % ≤ C < 25 %		
Disodium metasilicate			
CAS Number	6834-92-0	1 - < 5	Met. Corr. 1; H290
EC Number	229-912-9		Skin Corr. 1B; H314
Index Number	014-010-00-8		Eye Dam. 1; H318
Registration Number	01-2119449811-37-XXXX		STOT SE 3; H335
Alcohols, C12-14 (even numbered), ethoxylated			
CAS Number	68439-50-9	1 - < 5	Acute Tox. 4; H302
EC Number	not given		Eye Dam. 1; H318
Index Number	not given		Aquatic Chronic 3; H412
Registration Number	is not subject to registration, it is a polymer		ATE _{oral} = 1 100 mg/kg bw
Sodium metaborate			
CAS Number	7775-19-1	< 1	Eye Irrit. 2; H319 Repr. 2; H361d
EC Number	231-891-6		
Index Number	not given		
Registration Number	not yet available		
The substance has specific concentration limits:			

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Repr. 2; H361d

C ≥ 5.9 %

Full text of classifications and H-phrases: see section 16.

SECTION 4: First aid measures

In all cases keep the victim at physical and mental rest and warm. In case of doubt or if symptoms persist, seek medical attention. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Protect yourself during rescue work.

4.1. Description of first aid measures

Inhalation

Interrupt the exposure, move the person to the fresh air. In case of persistent nausea, seek medical advice.

Skin contact

Remove contaminated clothing, shoes, and wash affected skin thoroughly with water (preferably lukewarm) and soap. Do not use solvents or thinners. If the problem persists, seek medical advice.

Eye contact

Rinse with a gentle stream of water for at least 15 minutes. Keep your eyelids wide open with your thumb and forefinger. If the affected person is wearing contact lenses, remove them before rinsing eyes if it is easy. Seek medical advice.

Ingestion

Rinse your mouth and then drink plenty of water. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical advice.

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

Are not known.

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

Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Solid streams of water may be ineffective.

5.2. Special hazards arising from the substance or mixture

In case of fire extinguishing prevent leakage of water and rest of product into drains. Collect them separately and dispose of safely in accordance with current legislation and applicable local regulations.

In case of fires, hazardous combustion gases are formed: carbon oxides, silicon oxides, boron oxides and products of incomplete combustion.

5.3. Advice for firefighters

Stop further leakage of product if possible. Spilled product, which does not burn, cover with sand or foam. Move containers and barrels away from the fire to a safe place, if possible. Cool all affected containers down with flooding quantities of water. If the fire can't be extinguished - evacuate the premises.

In case of fire, wear suitable respiratory protective equipment and fire-fighting suit.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes, use suitable protective equipment and clothing, see Section 8. Ensure adequate ventilation. Avoid formation of vapour and aerosol. At the point of leakage, prevent the movement of unauthorized persons.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. If this cannot be avoided, inform the competent authorities (police and firefighters) immediately.

6.3. Methods and material for containment and cleaning up

Take up mechanically, place in appropriate containers for disposal and dispose of according to Section 13, unless it can be reused. Flush residues with water and collect it for waste disposal.

If container is damaged, remove the content to the new undamaged container and label it properly again.

6.4. Reference to other sections

Refer also to the provisions of sections 7, 8 and 13 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Personal protection see Section 8. Ensure good ventilation to prevent formation of vapour and aerosol.

Smoking, eating and drinking should be prohibited at the place of use. Keep safety regulations for handling chemicals. Take off contaminated clothing and protective equipment before entering the dining area. Do not use dirty clothing. After work wash yourself carefully with warm water and soap, take a shower. Use protective cream.

7.2. Conditions for safe storage, including any incompatibilities

Store in original, tightly closed containers, in a dry, cool and well-ventilated place at room temperature.

Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

7.3. Specific end use(s)

See subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure limit value

Not determined.

8.1.2. Biological limit values

Not determined in EU.

8.1.3. DNEL and PNEC values

Sodium carbonate	CAS: 497-19-8
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DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Local effect	Long term	10 mg/m ³

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General population	Inhalation	Local effect	Acute/short term	5 mg/m ³
PNEC – not available				
Disodium carbonate, compound with hydrogen peroxide (2:3)				CAS: 15630-89-4
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Local effect	Long term	4.4 mg/m ³
Workers	Inhalation	Local effect	Acute/short term	4.4 mg/m ³
Workers	Dermal	Local effect	Long term	12.8 mg/cm ²
Workers	Dermal	Local effect	Acute/short term	12.8 mg/cm ²
General population	Inhalation	Local effect	Long term	2.2 mg/m ³
General population	Inhalation	Local effect	Acute/short term	2.2 mg/m ³
General population	Dermal	Local effect	Long term	6.4 mg/cm ²
General population	Dermal	Local effect	Acute/short term	6.4 mg/cm ²
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
0.044 mg/l	0.044 mg/l	0.048 mg/l	not given	16.24 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
0.164 mg/kg	0.164 mg/kg	no effect	0.007 mg/kg	no effect
Disodium metasilicate				ES: 229-912-9
DNEL				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Systemic effect	Long term	6.22 mg/m ³
Workers	Dermal	Systemic effect	Long term	1.49 mg/kg/day
General population	Inhalation	Systemic effect	Long term	1.55 mg/m ³
General population	Dermal	Systemic effect	Long term	0.74 mg/kg/day
General population	Oral	Systemic effect	Long term	0.74 mg/kg/day
PNEC				
Fresh water	Marine water	Intermittent releases		Sewage Treatment Plant (STP)
		Fresh water	Marine water	
7.5 mg/l	1 mg/l	7.5 mg/l	not given	1 000 mg/l
PNEC				
Sediment (freshwater)	Sediment (marine water)	Air	Soil	Hazard for predators
no effect	no effect	no effect	no effect	no effect
8.2. Exposure controls				

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8.2.1. Appropriate engineering controls

Use only in well-ventilated areas.

Observe usual safety precautions for working with chemicals. The degree of effectiveness of personal protective equipment depends on temperature and ventilation levels.

8.2.2. Individual protection measures, such as personal protective equipment

Do not eat, drink or smoke. After work, wash thoroughly with warm water and soap and take a shower. Use protective cream. Do not soiled protective equipment to wash, do not use solvents.

Eye/face protection

Wear safety goggles or face shield when manufacturing and handling the product (EN 166, EN 149+A1). It is not necessary for normal use, in case of possible contact with the eyes, use protective glasses or a face shield.

Skin protection - hand protection

Wear protective gloves when manufacturing and handling the product (EN 374-1, EN 374-2). In normal use it is not necessary to use protective gloves. Wear protective gloves in case of prolonged skin contact.

The selection of the glove material on consideration of the breakthrough time, permeability, degradation and next relevant factors; other chemicals that may come into contact, physical requirements (cut and puncture protection, dexterity, thermal protection), possible body reactions to the glove material and the glove supplier's instructions and specifications. In case of repeated use of gloves, clean and keep them in a well-ventilated place before taking off.

Skin protection - other

Not required for normal use. Wear protective clothing and footwear when manufacturing and handling the product.

Respiratory protection

Not necessary in case of compliance concentration limits (if they were exceeded, use a respirator against solid particles). In the event of an accident or a fire use self-contained breathing apparatus.

Thermal hazards

In normal use, it is not necessary to use protective equipment to be worn for materials that represent a thermal hazard.

8.2.3. Environmental exposure controls

Uncontrolled release of the mixture into environment is to be avoided. Keep the emission limits according to national legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Mixture

Physical state	Solid.
Colour	According to pigment.
Odour	Characteristic.
Melting point/freezing point	Not determined.
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	Not determined.

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Lower explosion limit	Does not apply to solid.
Upper explosion limit	Does not apply to solid.
Flash point	Does not apply to solid.
Auto-ignition temperature	Does not apply to solid.
Decomposition temperature	Not determined, the mixture does not contain self-reactive substances or organic peroxides.
pH	10.83 (1% wt solution).
Kinematic viscosity	Does not apply to solid.
Solubility	Soluble.
Partition coefficient n-octanol/water (log value)	Does not apply to mixture.
Vapour pressure	Not determined, the mixture does not contain volatile compounds.
Density and/or relative density	Not determined.
Relative vapour density	Does not apply to solid.
Particle characteristics	Not determined.
Sodium carbonate CAS: 497-19-8	
Physical state	Solid.
Colour	White.
Odour	Odourless.
Melting point/freezing point	851 °C (decomposition, literature).
Boiling point or initial boiling point and boiling range	Not determined, substance decomposes.
Flammability	The substance is not classified as flammable (EU method A.10).
Lower explosion limit	Does not apply to solid.
Upper explosion limit	Does not apply to solid.
Flash point	Does not apply to solid.
Auto-ignition temperature	Does not apply to solid.
Decomposition temperature	> 400 °C (literature).
pH	cca. 11.6 (ca. 0.1 M solution, literature).
Kinematic viscosity	Does not apply to solid.
Solubility	ca. 212.5 g/l (20 °C, pH > 11, OECD 105).
Partition coefficient n-octanol/water (log value)	Not determined, it is an inorganic substance.
Vapour pressure	Not determined, the substance has melting point higher than 300 °C.
Density and/or relative density	D ₄ ²⁰ = 2.52 - 2.53 (OECD 109).
Relative vapour density	Does not apply to solid.

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Particle characteristics	D10 = 44 µm (OECD 110). D50 = 133 µm (OECD 110). D90 = 257 µm (OECD 110).
Disodium carbonate, compound with hydrogen peroxide (2:3)	CAS: 15630-89-4
Physical state	Solid.
Colour	White.
Odour	Not determined.
Melting point/freezing point	Not determined.
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	Does not apply to solid.
Upper explosion limit	Does not apply to solid.
Flash point	Does not apply to solid.
Auto-ignition temperature	Does not apply to solid.
Decomposition temperature	Not determined.
pH	Not determined.
Kinematic viscosity	Does not apply to solid.
Solubility	140 g/l (20 °C, pH = 10.4 - 10.6).
Partition coefficient n-octanol/water (log value)	Not determined, it is an inorganic substance.
Vapour pressure	Not determined.
Density and/or relative density	D ₄ ²⁰ = 2.01 (EU method A.3).
Relative vapour density	Does not apply to solid.
Particle characteristics	D50 = 250 - 1 000 µm.
Disodium metasilicate	ES: 229-912-9
Physical state	Solid.
Colour	Colourless to white.
Odour	Not determined.
Melting point/freezing point	1 089 °C (literature).
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
Lower explosion limit	Does not apply to solid.
Upper explosion limit	Does not apply to solid.
Flash point	Does not apply to solid.

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Auto-ignition temperature	Does not apply to solid.
Decomposition temperature	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
pH	Not determined.
Kinematic viscosity	Does not apply to solid.
Solubility	210 g/l (20 °C, pH = 12.7).
Partition coefficient n-octanol/water (log value)	Not determined, it is an inorganic substance.
Vapour pressure	Not determined, the substance has melting point higher than 300 °C.
Density and/or relative density	2.61 g/cm ³ (literature).
Relative vapour density	Does not apply to solid.
Particle characteristics	D10 = 397 µm (ISO 13320-1). D50 = 695 µm (ISO 13320-1). D90 = 1 150 µm (ISO 13320-1).

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Mixture

Explosives

Data for the mixture are not available.

The mixture contains inorganic oxidising substances in category 3 but less than 30%.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

It is not liquid.

Flammable solids

Data for the mixture are not available.

The mixture does not contain substances classified as flammable solids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Self-reactive substances and mixtures

Data for the mixture are not available.

The mixture does not contain substances classified as self-reactive substances or explosives or organic peroxides or oxidising, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

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Pyrophoric liquids

It is not liquid.

Pyrophoric solids

Data for the mixture are not available.

The mixture does not contain substances classified as pyrophoric solids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Self-heating substances and mixtures

Data for the mixture are not available.

The mixture does not contain substances classified as self-heating or pyrophoric substances or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Substances and mixtures, which emit flammable gases in contact with water

Data for the mixture are not available.

The mixture does not contain substances classified as substances, which emit flammable gases in contact with water or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Oxidising liquids

It is not liquid.

Oxidizing solids

Data for the mixture are not available.

The mixture is not classified as an oxidizing solid mixture, due to the low concentration of the component classified as oxidizing.

Organic peroxides

Data for the mixture are not available.

The mixture does not contain substances classified as organic peroxides or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Corrosive to metals

Data for the mixture are not available.

The solid mixture is not classified as corrosive to metals, due to the low concentration of the component classified as corrosive to metals.

Desensitised explosives

Data for the mixture are not available.

The mixture does not contain substances classified as explosives or desensitised explosives, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Sodium carbonate

CAS: 497-19-8

Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

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It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

It is not liquid.

Flammable solids

The substance is not classified as flammable solid (EU method A.10).

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

It is not liquid.

Pyrophoric solids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The substance is soluble in water and forms a stable mixture with it.

Oxidising liquids

It is not liquid.

Oxidizing solids

Data for the substance are not available.

It is an inorganic substance does not contain chemical groups associated with oxidising properties.

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

Disodium carbonate, compound with hydrogen peroxide (2:3)

CAS: 15630-89-4

Explosives

The substance is not classified as explosive (modified Trauzl test).

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Flammable gases

It is not gas.

Aerosols

It is not aerosol.

Oxidising gases

It is not gas.

Gases under pressure

It is not gas.

Flammable liquids

It is not liquid.

Flammable solids

Data for the substance are not available.

The substance is not classified as flammable solid.

Self-reactive substances and mixtures

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

Pyrophoric liquids

It is not liquid.

Pyrophoric solids

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

Self-heating substances and mixtures

Data for the substance are not available.

The substance is not classified as self-heating.

Substances and mixtures, which emit flammable gases in contact with water

Data for the substance are not available.

The substance is soluble in water and forms a stable mixture with it.

Oxidising liquids

It is not liquid.

Oxidizing solids

The substance is classified as oxidizing solid category 3.

Mean burning time = 27.8 - 62.4 s (rate to cellulose 4:1), 108 - 115 s (rate to cellulose 1:1).

Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is not classified as corrosive to metal.

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Desensitised explosives	
The substance is not classified as explosive (modified Trauzl test).	
Disodium metasilicate	ES: 229-912-9
Explosives	
Data for the substance are not available. The substance does not contain chemical groups associated with explosive properties.	
Flammable gases	
It is not gas.	
Aerosols	
It is not aerosol.	
Oxidising gases	
It is not gas.	
Gases under pressure	
It is not gas.	
Flammable liquids	
It is not liquid.	
Flammable solids	
Data for the substance are not available. The substance is not classified as flammable solid.	
Self-reactive substances and mixtures	
Data for the substance are not available. The substance does not contain chemical groups associated with explosive or self-reactive properties.	
Pyrophoric liquids	
It is not liquid.	
Pyrophoric solids	
Data for the substance are not available. The substance is stable in air, there is no spontaneous ignition.	
Self-heating substances and mixtures	
Data for the substance are not available. The substance is not classified as self-heating.	
Substances and mixtures, which emit flammable gases in contact with water	
Data for the substance are not available. The substance is soluble in water and forms a stable mixture with it.	
Oxidising liquids	
It is not liquid.	
Oxidizing solids	
Data for the substance are not available. It is an inorganic substance does not contain chemical groups associated with oxidising properties.	

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Organic peroxides

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

Corrosive to metals

Data for the substance are not available.

The substance is classified as corrosive to metal category 1.

Desensitised explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

9.2.2. Other safety characteristics

Mechanical sensitivity	Not determined, it is not an explosive substance.
Self-accelerating polymerisation temperature	Not determined, it is not a polymerising substance.
Formation of explosible dust/air mixtures	Not determined, it is not a dust.
Acid/alkaline reserve	Not determined.
Evaporation rate	Not determined.
Miscibility	Not determined.
Conductivity	Not determined.
Corrosiveness	Not determined.
Gas group	Not determined, it is not gas.
Redox potential	Not determined.
Radical formation potential	Not determined.
Photocatalytic properties	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is stable under normal conditions of use. There aren't any hazardous reaction.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions aren't known under normal conditions of use.

10.4. Conditions to avoid

Protect from temperatures below 0 °C.

10.5. Incompatible materials

Strong bases.

10.6. Hazardous decomposition products

They do not form under normal use. Burning releases carbon oxides, silicon oxides, boron oxides and products of incomplete combustion.

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SECTION 11: Toxicological information

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

Mixture

Acute toxicity

The mixture is not classified as toxic for all routes of exposure.

Oral

Data for the mixture are not available.

ATE_{mixture} > 2 000 mg/kg bw (estimate, low concentration of substances classified as toxic oral route of exposure).

Dermal

Data for the mixture are not available.

The mixture does not contain relevant substances classified as an acute toxicity by dermal route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Inhalation

Data for the mixture are not available.

The mixture does not contain relevant substances classified as an acute toxicity by inhalation route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Skin corrosion/irritation

Data for the mixture are not available.

The mixture is classified as skin irritant based on the general/specific concentration limits of substance(s).

Serious eye damage/irritation

Data for the mixture are not available.

The mixture is classified as causes serious eye damage based on the general/specific concentration limits of substance(s).

Respiratory or skin sensitisation

Data for the mixture are not available.

The mixture does not contain substances classified as sensitizing or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Germ cell mutagenicity

Data for the mixture are not available.

The mixture does not contain substances classified as mutagenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Carcinogenicity

Data for the mixture are not available.

The mixture does not contain substances classified as carcinogenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Reproductive toxicity

Data for the mixture are not available.

The mixture is not classified as toxic for reproduction according to the general/specific concentration limits of substance(s).

STOT – single exposure

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Data for the mixture are not available.

The mixture is not classified as toxic for specific target organs in a single exposure in category 3 according to the recommended concentration limits of substance(s).

STOT – repeated exposure

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a repeated exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Aspiration hazard

Data for the mixture are not available.

The mixture does not contain substances classified as aspiration hazard or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Other information

See sections 2 and 4.

Sodium carbonate

CAS: 497-19-8

Acute toxicity

Oral Based on available data, the classification criteria are not met.
LD₅₀ = 2 800 mg/kg bw (rat, female)

Dermal Based on available data, the classification criteria are not met.
LD₅₀ > 2 000 mg/kg bw (rabbit, EPA 16 CFR 1500.40)

Inhalation Based on available data, the classification criteria are not met.
LC₅₀ > 2 300 mg/m³ (rat, male, aerosol, 2 hrs)

Skin corrosion/irritation

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

Mean erythema score = 0 and oedema = 0 (rabbit, 72 hrs., OECD 404).

Serious eye damage/irritation

The substance is classified as eye irritant.

Mean score of corneal opacity = 0, iritis = 0.25 (fully reversible after 72 hours), conjunctival redness = 1.67 (fully reversible after 72 hours), conjunctival oedema = 1.38 (fully reversible after 72 hours) (rabbit, 72 h, OECD 405).

Respiratory or skin sensitisation

Data for the substance are not available.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.
Negative (OECD 471).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Data for the substance are not available.

STOT – single exposure

Data for the substance are not available.

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STOT – repeated exposure	
Based on available data, the classification criteria are not met. NOAEL > 10 mg/m ³ (human, inhalation, dust).	
Aspiration hazard	
The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm ² /s or less at 40 °C.	
Disodium carbonate, compound with hydrogen peroxide (2:3)	CAS: 15630-89-4
Acute toxicity	
Oral	The substance is classified in category 4. LD ₅₀ = 1 034 mg/kg bw (rat).
Dermal	Based on available data, the classification criteria are not met. LD ₅₀ > 2 000 mg/kg bw (rabbit, EPA Guideline).
Inhalation	Data for the substance are not available.
Skin corrosion/irritation	
Based on available data, the classification criteria are not met. Primary dermal irritation index PDII = 2.2 (4 hrs.), 1.2 (24 hrs.), 1 (96 hrs.), 0.2 (7 d.), 0 (14 d.) (rabbit).	
Serious eye damage/irritation	
The substance classified as seriously damaging to the eyes. Average primary eye irritation scores = 19.3 (1 hrs.), 103 (24 hrs.), 108.5 (48 hrs.), 47.6 (72 hrs.), 36 (96 hrs.) (rabbit).	
Respiratory or skin sensitisation	
Based on available data, the classification criteria are not met. Not skin sensitising (guinea pig, Buechler test).	
Germ cell mutagenicity	
Data for the substance are not available.	
Carcinogenicity	
Data for the substance are not available.	
Reproductive toxicity	
Data for the substance are not available.	
STOT – single exposure	
Data for the substance are not available.	
STOT – repeated exposure	
Data for the substance are not available.	
Aspiration hazard	
The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm ² /s or less at 40 °C.	
Disodium metasilicate	ES: 229-912-9
Acute toxicity	

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Oral	Based on available data, the classification criteria are not met. LD ₅₀ = 1 152 - 1 349 mg/kg bw (rat, female, toxicity based on corrosive effect, literature).
Dermal	Based on available data, the classification criteria are not met. LD ₅₀ > 5 000 mg/kg bw (rat, EPA OPPTS 870.1200).
Inhalation	Based on available data, the classification criteria are not met. LC ₅₀ > 2.06 mg/l (vapour, rat, 4 hrs, toxicity based on corrosive effect, EPA OPPTS 870.1300).

Skin corrosion/irritation

The substance is classified as skin corrosion in category 1B.
Corrosive - primary dermal irritation index (PDII) = 8 (not reversible), mean erythema score = 4 (not reversible) and edema = 4 (not reversible) (humidified, rabbit, OECD 404).
Irritant - primary dermal irritation index (PDII) = 3.67, mean erythema score = 2.33 and edema = 1.33 (50% aqueous solution, rabbit, OECD 404).
Slightly irritant - primary dermal irritation index (PDII) = 1.22, mean erythema score = 1.11 and edema = 0.11 (10% aqueous solution, rabbit, OECD 404).

Serious eye damage/irritation

The substance is classified as seriously damaging to the eyes.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.
Not skin sensitising (mouse, OECD 429).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.
Negative (OECD 471, OECD 473, OECD 476).

Carcinogenicity

Data for the substance are not available.

Reproductive toxicity

Based on available data, the classification criteria are not met.
NOAEL > 159 mg/kg/day (mortality, rat, female, oral, generation P0).

STOT – single exposure

The substance may cause respiratory irritation.

STOT – repeated exposure

Based on available data, the classification criteria are not met.
NOAEL > 227 - 237 mg/kg/day (rat, oral, 90 days, OECD 408).

Aspiration hazard

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm²/s or less at 40 °C.

11.2. Information on other hazards

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TONGO Washing powder

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation.

Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. There is no other relevant information on adverse health effects that is not required according to the classification criteria set out in CLP Regulation.

SECTION 12: Ecological information

12.1. Toxicity

Mixture

Data for the mixture are not available.

Acute aquatic toxicity

The mixture does not contain relevant substances classified as acute aquatic toxicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

Chronic aquatic toxicity

The mixture is not classified as chronic aquatic toxicity based on calculation according to the summation method.

category	1	2	3	4
Σ	0	0	< 5	< 5

Sodium carbonate

CAS: 497-19-8

The substance is not classified as hazardous for the aquatic environment.

Fish

LC₅₀, 96 hrs., *Lepomis macrochirus*: 300 mg/l (mortality).

Crustaceans

EC₅₀, 48 hrs., *Ceriodaphnia* sp.: 200 - 227 mg/l (mobility).

Algae

EC₅₀: 10 - 100 mg/l (estimated, data is assessment based on pH).

NOEC: 1 - 10 mg/l (estimated, data is assessment based on pH).

Disodium carbonate, compound with hydrogen peroxide (2:3)

CAS: 15630-89-4

The substance is not classified as hazardous for the aquatic environment.

Fish

LC₅₀, 48 hrs., *Pimephales promelas*: 70.7 mg/l (mortality, literature).

Crustaceans

EC₅₀, 48 hrs., *Daphnia Pulex*: 4.9 mg/l (mortality, US EPA TSCA Test Guidelines).

NOEC, 48 hrs., *Daphnia Pulex*: 2 mg/l (mortality, US EPA TSCA Test Guidelines).

Algae

Data for the substance are not available.

Disodium metasilicate

ES: 229-912-9

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The substance is not classified as hazardous for the aquatic environment.	
Fish	
LC ₅₀ , 96 hrs., Danio rerio: 210 mg/l (OECD 203).	
Crustaceans	
EC ₅₀ , 48 hod., Daphnia Magna: 1 700 mg/l (OECD 202).	
Algae	
EC ₅₀ , 72 hrs., Desmodesmus subspicatus: 207 mg/l (biomass, DIN 38412).	
EC ₀ , 72 hrs., Desmodesmus subspicatus: > 345.4 mg/l (growth rate, DIN 38412).	
12.2. Persistence and degradability	
Mixture	
Data for the mixture are not available.	
Sodium carbonate	CAS: 497-19-8
Not determined, it is an inorganic substance.	
Disodium carbonate, compound with hydrogen peroxide (2:3)	CAS: 15630-89-4
Not determined, it is an inorganic substance.	
Disodium metasilicate	ES: 229-912-9
Not determined, it is an inorganic substance.	
12.3. Bioaccumulative potential	
Mixture	
Data for the mixture are not available.	
Sodium carbonate	CAS: 497-19-8
Not determined, it is an inorganic substance.	
Disodium carbonate, compound with hydrogen peroxide (2:3)	CAS: 15630-89-4
Not determined, it is an inorganic substance.	
Disodium metasilicate	ES: 229-912-9
Not determined, it is an inorganic substance.	
12.4. Mobility in soil	
Mixture	
Data for the mixture are not available.	
Sodium carbonate	CAS: 497-19-8
Not determined, it is an inorganic substance.	
Disodium carbonate, compound with hydrogen peroxide (2:3)	CAS: 15630-89-4
Not determined, it is an inorganic substance.	
Disodium metasilicate	ES: 229-912-9
Not determined, it is an inorganic substance.	
12.5. Results of PBT and vPvB assessment	

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TONGO Washing powder

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH Regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation.

12.6. Endocrine disrupting properties

The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods of the substance or mixture and the contaminated packaging

Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). Do not empty unused product into drainage systems. Do not contaminate ponds or ditches with the product or used container. Hand over the residual amounts and solutions to a licensed disposal company.

Hand over the remaining quantities and unregenerate solutions to an authorized person (specialized company with authorization) or to the collection yard in the hazardous waste section according to the worker's instructions. Empty, cleaned packaging can be stored at a landfill of the appropriate category or **in the sorted waste**.

Possible waste code

20 01 29* - detergents containing hazardous substances (mixture), 15 01 10* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging), 15 01 02 - plastic packaging (clear packaging).

Physical/chemical properties that may affect waste treatment options

Not known.

Special precautions recommended for waste management

Not known.

Waste legislation

Directive 2008/98/EC on waste and repealing certain Directives, as amended.

SECTION 14: Transport information

This product is not classified as a dangerous for transportation (ADR/RID, IMDG, ICAO/IATA).

14.1. UN number or ID number

Not given.

14.2. UN proper shipping name

Not given.

14.3. Transport hazard class(es)

Not given.

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14.4. Packing group

Not given.

14.5. Environmental hazards

It is not dangerous for the environment during transport.

14.6. Special precautions for user

Not given.

14.7. Maritime transport in bulk according to IMO instruments

Not available.

SECTION 15: Regulatory information

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

Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures, as amended (CLP)

Regulation No. 648/2004/EC on detergents, as amended

15.2. Chemical safety assessment

It has not been carried out for mixture.

SECTION 16: Other information

Reason for the revision of the safety data sheet

Change of the labeling of the mixture. Change in the composition of the mixture in section 3 and related changes in the other sections.

Key or legend to abbreviations and acronyms

Acute Tox. 4	Acute toxicity, cat. 4
Aquatic Chronic 3	Chronic aquatic hazard, cat. 3
Eye Dam. 1	Serious eye damage, cat. 1
Eye Irrit. 2	Eye irritation, cat. 2
Met. Corr. 1	Substance or mixture corrosive to metals, cat. 1
Ox. Sol. 3	Oxidising solid, cat. 3
Repr. 2	Reproductive toxicity, cat. 2
Skin Corr. 1B	Skin corrosion, cat. 1B
Skin Irrit. 2	Skin irritation, cat. 2
STOT SE 3	Specific target organ toxicity - single exposure, cat. 3
ATE	Acute Toxicity Estimate
bw	body weight
M	Multiplying factor
ADR	Accord Dangereuses Route

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CLP	Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures
DNEL	Derived No Effect Level
ICAO/IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent, bioaccumulative, toxic substance
PNEC	Predicted No Effect Concentration
REACH	Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific target organ toxicity
vPvB	Very persistent and very bioaccumulative substance

Sources of key data used to compile the Safety Data Sheet

European legislation, manufacturer's safety data sheet, registration dossier of substances.

List of H- and P- phrases

H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H412	Harmful to aquatic life with long lasting effects.
P102	Keep out of reach of children.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Dispose of the cleaned packaging without any residual product content in the sorted waste.

Training advice

According to SDS.

Other information

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TONGO Washing powder

Classification according to data from the manufacturer. The mixture is classified using calculation methods according to Regulation CLP and tests. Use only for the purposes designated by the manufacturer, will prevent health and environmental risks.

The information in this safety data sheet has been prepared according to the best available knowledge. The safety data sheet has been compiled in good faith but without guarantee. Various factors may influence properties under specific conditions. It is the responsibility of the product user to assess the accuracy of the information for their specific application. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The safety data sheet is prepared in accordance with Regulation No. 2020/878/EC. There is no additional information in accordance with the local and national legislation of the Member State in the European Union, in the safety data sheet.

The safety data sheet was prepared by LACHEPRA s.r.o.