

## Safety Data Sheet

ATTITUDE™

according to Regulation 1907/2006/EC (REACH Regulation), EU2015/830 and Regulation No 1272/2008/EC (CLP)

Print date: 2022-05-13  
Rev. 4.0; 2022-05-12

ATTITUDE Nature + Laundry Detergent - Citrus Zest

Product code: 42034

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier:**

ATTITUDE Nature + Laundry Detergent - Citrus Zest

UFI: HGD8-Q42K-DW3J-SCU8

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

Laundry detergent

**Uses advised against**

Any non-intended use.

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

Company name:	9055-7588 Québec Inc. (ATTITUDE)		
Street:	231 Rue Saint Honoré		
Place:	Paris, France, 75001		
Telephone:	+ 33 177 75 97 03		
Responsible Department:	Hans Drouin, PhD. Vice President, R&D	e-mail:	info@bio-spectra.com
	5605 avenue de Gaspé, Suite 900,	Tel.:	1-514-509-7225
	Montréal (Québec) H2T 2A4		ATTITUDEliving.com

**1.4 Emergency telephone number:****BELGIUM:** 070 245 245**POLAND:** 42 6314 724**FINLAND:** 09 471977**ROMANIA:** 01 210 6282**FRANCE:** 01 45 42 59 59**SPAIN:** 91 562 04 20**GERMANY:** 06 131 19 240**SWEDEN:** 112 – ask for Poisons Information**LATVIA:** 16 704 24 73**THE NETHERLANDS:** 030-2748888**NORWAY:** 59 1300**UK:** 111**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

GHS07

Eye Irrit. 2A H319

Causes serious eye irritation

Regulation (EC) No 1272/2008

**Information concerning particular hazards for human and environment:** This product has to be labeled according to the "General Classification Guideline for Preparations of the EU".

**Classification system:** The classification is according to the EU Regulations and extended by the company and literature data. The classification is in accordance with the latest editions of the international substances lists and is supplemented by information from technical literature and by information provided by the company. For Classification and Labelling information, see Section 16.

For full text of H-statements, see Section 16.

**2.2. Label elements**

Labeling according to Regulation (EC) No 1272/2008

The product is classified and labeled according to the CLP regulation.

**Hazard pictograms**

GHS07

**Signal word:** Warning**Hazard statements**

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H319 Causes serious eye irritation

**Precautionary statements**

P102 Keep out of reach of children

P264 Wash hands thoroughly after handling




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

P337+P313 If eye irritation persists: Get medical advice/ attention.

**2.3. Other hazards**

No information available

**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Hazard components**

Product Identifier		Chemical name	Quantity	Classification according to Regulation (EC) No. 1272/2008 (CLP)
CAS No	68955-19-1	Sodium coco-sulfate 	5% - 15%	H315 - Causes skin irritation
EC No	273-257-1			H318 - Causes serious eye damage
REACH No	01-2119490225-39			
CAS No	110615-47-9	Alkylpolyglycoside C10-16 	5% - 15%	H315 - Causes skin irritation
EC No	600-975-8			H318 - Causes serious eye damage
REACH No				
CAS No	68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides 	<5%	H318 - Causes serious eye damage
EC No	500-220-1			
REACH No				

Full text of R-, H- and EUH-phrases: See section 16.

**Labelling for contents according to Regulation (EC) No 648/2004**

5%-15% Anionic surfactants (sodium coco-sulfate), 5%-15% non-ionic surfactants (lauryl glucoside, caprylyl glucoside, myristyl glucoside).

**Further Information**

Product does not contain listed SVHC substances.

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

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

**After inhalation**

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of irritation of the respiratory tract seek medical advice.

**After contact with skin**

This product does not irritate skin. In case of skin irritation, remove contaminated clothes and wash skin immediately with water and soap.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult a doctor.

**After ingestion**

Clean mouth with water. Drink plenty of water. Do not induce vomiting. Seek medical advice immediately. Never give anything by mouth to someone unconscious.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

Formulation is stable, non-flammable, and will not burn. No special procedures necessary.

**5.1. Extinguishing media****Suitable extinguishing media**

Water spray. Carbon dioxide. Extinguishing powder.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical resistant suit.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. (Refer to section 8)

High slip hazard because of leaking or spilled product.

**6.2. Environmental precautions**

Do not empty into aquatic environment. Eliminate leaks immediately.

**6.3. Methods and material for containment and cleaning up**

Wipe up with absorbent material (eg. cloth, fleece).

Treat the assimilated material according to the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

Refer to section 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

No special precautions are necessary if used correctly.

**Advice on protection against fire and explosion**

No special measures required.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store at room temperature (10-30°C). Avoid excess heat and freezing. Keep container tightly closed.

**Advice on storage compatibility**

Keep away from spark and open flames.

**Further information on storage conditions**

Protect against: heat, UV-radiation/sunlight, frost and extreme temperatures.

**7.3. Specific end use(s)**

Refer to section 1.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Additional advice on limit values**

To date, no national limit values exist.

**8.2. Exposure controls**

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**Appropriate engineering controls**

No special measures are necessary.

**Protective and hygiene measures**

Always close containers tightly after the removal of product. Wash hands before breaks and at the end of work.

**Eye/face protection**

Wear safety glasses; chemical goggles (if splashing is possible).

**Hand protection**

In case of prolonged or frequently repeated skin contact:

Pull-over gloves of rubber. DIN EN 374

Before using check leak tightness / impermeability. In case of reutilization, clean gloves before taking off and store in well-aired place.

**Skin protection**

Not required under normal conditions of use.

**Respiratory protection**

Not required.

**Environmental exposure controls**

No special measures are necessary.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: Gel  
 Colour: Clear yellow  
 Odour: Characteristic

**Test method**

pH-Value (at 20 °C): 4.5 - 5.1

**Changes in the physical state**

Melting point: Not determined  
 Initial boiling point and boiling range: Not determined  
 Flash point: Not determined  
 Sustaining combustion: Not expected

**Explosive properties**

none/none

Lower explosion limits: Not determined  
 Upper explosion limits: Not determined  
 Decomposition temperature: Not determined

**Oxidizing properties**

none/none

Vapour pressure (at 20 °C): Not determined  
 Density (at 20 °C): Not determined  
 Bulk density: Not determined  
 Water solubility: Completely miscible

**Solubility in other solvents**

not determined

Viscosity / dynamic: 600 - 2 000 cps  
 Viscosity / kinematic: Not determined  
 Flow time: Not determined  
 Vapour density: Not determined  
 Evaporation rate: Not determined

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Solvent content: Not determined

**9.2. Other information**

Solid content: Not determined

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Stable under normal conditions.

**10.2. Chemical stability**

Stable under normal storage and handling conditions.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known.

**10.4. Conditions to avoid**

Freezing. Protect against: Light, UV-radiation/sunlight, heat, cooling, moisture.

**10.5. Incompatible materials**

No relevant information available.

**10.6. Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide, carbon dioxide.

**SECTION 11: Toxicological information****Product toxicity**

LD 50 Oral Toxicity (rat, calculated): &gt; 5 000 mg/kg

LD 50 Dermal Toxicity (rabbit, calculated): &gt; 5 000 mg/kg

**11.1. Information on toxicological effects****Acute toxicity**

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

**Irritation and corrosivity**

May causes skin irritation.

May causes serious eye damage.

**Sensitising effects**

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

**STOT-single exposure**

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

**Severe effects after repeated or prolonged exposure**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**Aspiration hazard**

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

**SECTION 12: Ecological information****Product ecological toxicity**

LC 50 Acute toxicity (fish, calculated): 100 mg product / L

EC 50 Acute toxicity (bacterial, calculated): 100 mg product / L

**12.1. Toxicity**

Chemical name				CAS No		
Aquatic toxicity	Method	Dose	(h) (d)	Species	Source	
Sodium coco-sulfate				68955-19-1		
Acute fish toxicity	LC50	17 mg/l	96 h	Cyprinus carpio	Echa Dossier	
Acute algae toxicity	ErC50	20 mg/l	72 h	Desmodesmus subspicatus	Echa Dossier	
Acute crustacea toxicity	EC50	15 mg/l	48 h	Daphnia magna	Echa Dossier	

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Alkylpolyglycoside C10-16		110615-47-9			
Acute fish toxicity	LC50	> 100 mg/l	96 h	Brachydanio rerio Desmodes	SDS extern
Acute algae toxicity	ErC50	> 10-100mg/l	72 h	Desmodesmus subspicatus	SDS extern
Acute crustacea toxicity	EC50	15 mg/l	48 h	Daphnia magna OECD 202	SDS extern

**12.2. Persistence and degradability**

The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC.

CAS No	Chemical name			
	Method	Value	d	Source
Evaluation				
68955-19-1	Sodium coco-sulfate			
	OECD	60%	28	SDS extern
Readily biodegradable (according to OECD criteria)				
110615-47-9	Alkylpolyglycoside C10-16			
	OECD	88%	28	Echa Dossier
Readily biodegradable (according to OECD criteria)				

**12.3. Bioaccumulative potential**

Significant accumulation in organisms is not to be expected.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
68955-19-1	Sodium coco-sulfate	-2.1
110615-47-9	C10-16 Alkyl glycosides	-0.07

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects**

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

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Waste disposal according to official state regulations. Cleaned containers may be recycled.

**Contaminated packaging**

Handle contaminated packaging in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number:</b>	N/A
DOT, ADR, ADN, IMDG, IATA	
<b>14.2. UN proper shipping name:</b>	ATTITUDE Laundry Detergent, NOI, liquid
DOT, ADR, ADN, IMDG, IATA	
<b>14.3. Transport hazard class(es)</b>	N/A
DOT, ADR, ADN, IMDG, IATA	
<b>14.4. Packing group:</b>	N/A
DOT, ADR, ADN, IMDG, IATA	

**Inland waterways transport (ADN)**

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<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es)</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es)</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Air transport (ICAO)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es)</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Refer to section 6-8

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Irrelevant

**Other applicable information**

Not a hazardous material with respect to these transportation regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): not determined

2004/42/EC (VOC): not determined

**Additional information**

Not subject to regulation 96/82/EC. (SEVESO II)

REACH 1907/2006 Appendix XVII, No 3

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

Rev. 1.0; 2016-01-21 Initial release

Rev. 4.0; 2022-05-12

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

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ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect level

NTP: National Toxicology Program

N/A: not applicable

OSHA: Concerning the International Transport of Dangerous Goods by Rail )

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern

TRGS Technische Regeln für Gefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

**Relevant R-phrases (Number and full text)**

R36/38 Irritating to eyes and skin.

R41 Risk of serious damage to eyes.

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

H315 Causes skin irritation.

H318 Causes serious eye damage.

H413 May cause long lasting harmful effects to aquatic life .

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):**

The eye classification of this product was derived using bridging principles (such as dilution, interpolation within on hazard category or substantially similar mixtures; with or without expert judgement), following Article 9(3) and Article 9(4).

Eye Irrit. 2 H319 Causes serious eye irritation.

**Further Information**

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