

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 - Wildflowers - 2L

Product code: 49020

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

ATTITUDE Nature+ Laundry Detergent - Wildflowers - 2L

UFI: ERTC-P8W4-3J4E-C3S5

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 H318 - Causes serious eye damage
EC No	273-257-1			
REACH No	01-2119490225-39			
CAS No	110615-47-9	Alkylpolyglycoside C10-16 	5% - 15%	H315 - Causes skin irritation H318 - Causes serious eye damage
EC No	600-975-8			
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 (caprylyl glucoside, lauryl 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: 300 - 1 000 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): > 5 000 mg/kg

LD 50 Dermal Toxicity (rabbit, calculated): > 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)****14.1. UN number:**

N/A

DOT, ADR, ADN, IMDG, IATA

14.2. UN proper shipping name:

ATTITUDE Laundry Detergent, NOI, liquid

DOT, ADR, ADN, IMDG, IATA

14.3. Transport hazard class(es)

N/A

DOT, ADR, ADN, IMDG, IATA

14.4. Packing group:

N/A

DOT, ADR, ADN, IMDG, IATA

Inland waterways transport (ADN)

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

Marine transport (IMDG)

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

Air transport (ICAO)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es)	No dangerous good in sense of this transport regulation.
14.4. Packing group:	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; 2016-02-05 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.