

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Washo Laundry Sheets Sensitive

Revision date: 21.02.2024

Product code: WS.003.008

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

Washo Laundry Sheets Sensitive UFI: KCC0-K0UA-U00G-679T

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

laundry detergent

1.3. Details of the supplier of the safety data sheet

Company name: Washo AG
Street: Marktgasse 8
Place: CH-6340 Baar
Telephone: +41 41 511 76 41
E-mail: info@washo.ch
E-mail (Contact person): productsafety@washo.ch
Internet: www.washo.ch
Responsible Department: Tox Info Suisse

1.4. Emergency telephoneNational emergency number in Switzerland: **145****number:**

For calls from abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Skin Irrit. 2; H315

Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Signal word:** Warning**Pictograms:****Hazard statements**

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.
P264 Wash hand thoroughly after handling.
P280 Wear eye protection/face protection.
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.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
90268-37-4	Butanedioic acid, sulfonic acid, 4-C12-14 (even numbers) alkyl esters, sodium salts			5 - < 10 %
	939-638-8		01-2119982970-25	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1; H302 H315 H318			
69227-22-1	Alcohols, C10-16, ethoxylated propoxylated			5 - < 10 %
	Eye Irrit. 2; H319			
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts			1 - < 5 %
	270-407-8		01-2119513401-57	
	Skin Irrit. 2, Eye Dam. 1; H315 H318			
79-20-9	methyl acetate			< 1 %
	201-185-2	607-021-00-X		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
67-56-1	methanol			< 1 %
	200-659-6	603-001-00-X		
	Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1; H225 H331 H311 H301 H370			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
90268-37-4	939-638-8	Butanedioic acid, sulfonic acid, 4-C12-14 (even numbers) alkyl esters, sodium salts	5 - < 10 %
	dermal: LD50 = >2000 mg/kg; oral: LD50 = >580 mg/kg Eye Dam. 1; H318: >= 20,1 - 100 Eye Irrit. 2; H319: >= 5,1 - < 20,1		
68439-57-6	270-407-8	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	1 - < 5 %
	inhalation: LC50 = >52 mg/l (vapours); inhalation: LC50 = >52 mg/l (dusts or mists); dermal: LD50 = 6300 mg/kg; oral: LD50 = 2079 mg/kg Skin Irrit. 2; H315: >= 5 - 100 Eye Dam. 1; H318: >= 38 - 100 Eye Irrit. 2; H319: >= 5 - < 38		
67-56-1	200-659-6	methanol	< 1 %
	inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg STOT SE 1; H370: >= 10 - 100 STOT SE 2; H371: >= 3 - < 10		

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

5 % - < 15 % anionic surfactants, 5 % - < 15 % non-ionic surfactants, perfumes.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

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After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink 1 glass of water.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

6.3. Methods and material for containment and cleaning up

For cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

laundry detergent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL
67-56-1	Methanol	200	266		TWA (8 h)	WEL
		250	333		STEL (15 min)	WEL
79-20-9	Methyl acetate	200	616		TWA (8 h)	WEL
		250	770		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
90268-37-4	Butanedioic acid, sulfonic acid, 4-C12-14 (even numbers) alkyl esters, sodium salts			
Worker DNEL, long-term		dermal	systemic	66,2 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	31,1 mg/m³
Consumer DNEL, long-term		oral	systemic	0,88 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	39,7 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	9,21 mg/m³
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts			
Worker DNEL, long-term		dermal	systemic	2158,33 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	152,22 mg/m³
Consumer DNEL, long-term		dermal	systemic	1295 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	12,95 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	45,04 mg/m³

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PNEC values

CAS No	Substance	
Environmental compartment		Value
90268-37-4	Butanedioic acid, sulfonic acid, 4-C12-14 (even numbers) alkyl esters, sodium salts	
Freshwater		0,018 mg/l
Freshwater (intermittent releases)		0,180 mg/l
Marine water		0,0018 mg/l
Freshwater sediment		0,1304 mg/kg
Marine sediment		0,01304 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,7 mg/l
Soil		0,0155 mg/kg
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	
Freshwater		0,024 mg/l
Freshwater (intermittent releases)		0,767 mg/kg
Marine water (intermittent releases)		0,0767 mg/kg
Micro-organisms in sewage treatment plants (STP)		4 mg/l
Soil		1,21

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: solid
 Colour: whitish
 Odour: characteristic

Test method

Melting point/freezing point: not determined
 Boiling point or initial boiling point and boiling range: >100 °C
 Flammability: not determined

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Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	not applicable
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value (at 20 °C):	7 ISO 4316
Water solubility:	easily soluble
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density:	not determined
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

Other safety characteristics

Evaporation rate:

not determined

Solid content:

not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

ATEmix calculated

ATE (oral) 4535 mg/kg; ATE (dermal) 40252 mg/kg; ATE (inhalation vapour) 402,5 mg/l; ATE (inhalation dust/mist) 67,09 mg/l

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Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
90268-37-4	Butanedioic acid, sulfonic acid, 4-C12-14 (even numbers) alkyl esters, sodium salts				
	oral	LD50 >580 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rat		
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts				
	oral	LD50 2079 mg/kg	Rat		
	dermal	LD50 6300 mg/kg	Rabbit		
	inhalation vapour	LC50 >52 mg/l	Rat		
	inhalation dust/mist	LC50 >52 mg/l	Rat		
67-56-1	methanol				
	oral	ATE 100 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 3 mg/l			
	inhalation dust/mist	ATE 0,5 mg/l			

11.2. Information on other hazards

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
90268-37-4	Butanedioic acid, sulfonic acid, 4-C12-14 (even numbers) alkyl esters, sodium salts					
	Acute fish toxicity	LC50 18 mg/l	96 h	Danio rerio (zebrafish)		
	Acute algae toxicity	ErC50 46 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 40 mg/l	48 h	Daphnia magna (Big water flea)		
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts					
	Acute fish toxicity	LC50 4,2 mg/l	96 h			
	Acute algae toxicity	ErC50 5,2 mg/l	72 h			
	Acute crustacea toxicity	EC50 4,53 mg/l	48 h			

12.2. Persistence and degradability

The product is Readily biodegradable (according to OECD criteria).(OECD 301B)

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
90268-37-4	Butanedioic acid, sulfonic acid, 4-C12-14 (even numbers) alkyl esters, sodium salts			
	OECD 301B	80,8	29	
	Readily biodegradable (according to OECD criteria).			
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts			
	OECD 306	92	28	
	Readily biodegradable (according to OECD criteria).			
	OECD 301B	80	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	-1,3

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID 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.

Inland waterways transport (ADN)

14.1. UN number or ID 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.

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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 or ID 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-TI/IATA-DGR)

14.1. UN number or ID 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

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

Information according to Directive
2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

Additional information

Regulation (EC) No. 648/2004 [Detergents regulation].

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

3 - highly hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information

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Abbreviations and acronyms

Flam. Liq: Flammable liquids
 Acute Tox: Acute toxicity
 Skin Irrit: Skin irritation
 Eye Dam: Eye damage
 Eye Irrit: Eye irritation
 STOT SE: Specific target organ toxicity - single exposure
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 CAS: Chemical Abstracts Service
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation
 intérieures)
 IMDG: International Maritime Code for Dangerous Goods
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organization
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 SVHC: Substance of Very High Concern
 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety
 assessment, chapter R.20 (Table of terms and abbreviations).

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.

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H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)