SAFETY DATA SHEET
WASHCHEMICAL Non-Biological Laundry Detergent

Commission Regulation (EU) No 2015/830 of 28 May 2015. According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

1.1. Product identifier

Product name	WASHCHEMICAL Non-Biological Laundry Detergent
Product number	7801/22314
UFI	UFI: 6RKP-Q04A-600M-ASFV

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

Identified uses	Detergent. Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier	WashCo Unit 11 Arnhem Road Newbury Berkshire RG14 5RU T: 08000 546 546

1.4. Emergency telephone number

Emergency telephone	WashCo: Tel: 08000 546 546 (Mon - Fri 9am-5pm)
National emergency telephone number	NHS Direct 111 (GB) National Poisons Information Service Tel: +44 344 892 0111 (UK) - Medical Professionals Only National Poisons Information Centre Tel: +353 (01) 809 2566 (Ireland) - Healthcare Professionals only (24 hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms

Signal word	Danger
Hazard statements	H318 Causes serious eye damage.
Precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. 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.
Contains	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide, Alcohols, C13-15, branched and linear, ethoxylated
Detergent labelling	15 - < 30% phosphates, < 5% anionic surfactants, < 5% non-ionic surfactants, < 5% optical brighteners, < 5% perfumes, < 5% soap, Contains 1,2-BENZOISOTHIAZOL-3(2H)-ONE

WASHCHEMICAL Non-Biological Laundry Detergent

Supplementary precautionary statements	P264 Wash … thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 Get medical advice/ attention. P337 If eye irritation persists:

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide — 3-5%

CAS number: — | EC number: 932-051-8 | REACH registration number: 01-2119565112-48-XXXX

Classification
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Aquatic Chronic 3 - H412

Alcohols, C13-15, branched and linear, ethoxylated — 1-3%

CAS number: 157627-86-6 | EC number: 931-954-4

Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318
Aquatic Chronic 3 - H412

ETHANEDIOL — <1%

CAS number: 107-21-1 | EC number: 203-473-3

Classification
Acute Tox. 4 - H302

d-LIMONENE — 0.0083%

CAS number: 5989-27-5 | EC number: 227-813-5 | REACH registration number: 01-2119529223-47-XXXX

M factor (Acute) = 1 | M factor (Chronic) = 1

Classification
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

WASHCHEMICAL Non-Biological Laundry Detergent

HEXYL CINNAMAL 0.0083%

CAS number: 101-86-0 EC number: 202-983-3

M factor (Acute) = 1

Classification
Skin Sens. 1 - H317
Aquatic Acute 1 - H400
Aquatic Chronic 2 - H411

Linalool 0.005%

CAS number: 78-70-6 EC number: 201-134-4 REACH registration number: 01-2119474016-42-0000

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 - H317

Alpha-IsoMethyl Ionone 0.002%

CAS number: 127-51-5 EC number: 204-846-3

Classification
Aquatic Chronic 2 - H411

Diethyl phthalate <1%

CAS number: 84-66-2 EC number: 201-550-6

Classification
Not Classified

CITRAL 0.00072%

CAS number: 5392-40-5 EC number: 226-394-6 REACH registration number: 01-2119462829-23-0000

Classification
Skin Irrit. 2 - H315
Skin Sens. 1 - H317

GERANIOL 0.00036%

CAS number: 106-24-1 EC number: 203-377-1

Classification
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Skin Sens. 1 - H317

WASHCHEMICAL Non-Biological Laundry Detergent

potassium hydroxide		<1%
CAS number: 1310-58-3	EC number: 215-181-3	REACH registration number: 01-2119487136-33-XXXX

Classification
Met. Corr. 1 - H290
Acute Tox. 4 - H302
Skin Corr. 1A - H314
Eye Dam. 1 - H318

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Non-volatile liquid product.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.
Skin contact	Remove contaminated clothing. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Skin irritation.
Eye contact	May cause severe eye irritation.

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

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards	None known.
Hazardous combustion products	Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting	If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
For non-emergency personnel	Prevent further leakage or spillage if safe to do so. Keep away from incompatible products.

WASHCHEMICAL Non-Biological Laundry Detergent

For emergency responders	Avoid discharge into drains or watercourses or onto the ground.

6.2. Environmental precautions

Environmental precautions	Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable retaining areas or container with large quantities of water. Inform authorities if large amounts are involved.

6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13. See Section 11 for additional information on health hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling. Avoid contact with skin and eyes.
Advice on general occupational hygiene	When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep above the chemical's freezing point to avoid rupturing the container. Keep container tightly closed.
Storage class	Unspecified storage.

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ETHANEDIOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 104 mg/m3(Sk)

Diethyl phthalate

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
Short-term exposure limit (15-minute): WEL 10 mg/m³

potassium hydroxide

Short-term exposure limit (15-minute): WEL 2 mg/m³
WEL = Workplace Exposure Limit.

PENTASODIUM TRIPHOSPHATE (CAS: 7758-29-4)

DNEL	Workers - Dermal; Short term systemic effects: 0.375 mg/kg bw/day Workers - Inhalation; Short term systemic effects: 0.661 mg/m³ Workers - Dermal; Long term systemic effects: 0.375 mg/kg bw/day Workers - Inhalation; Long term systemic effects: 0.661 mg/l General population - Dermal; Short term systemic effects: 0.375 mg/kg General population - Inhalation; Short term systemic effects: 0.66 mg/kg bw/day General population - Oral; Short term systemic effects: 0.75 mg/kg General population - Oral; Long term systemic effects: 0.75 mg/kg bw/day General population - Inhalation; Long term systemic effects: 0.661 mg/m³ General population - Dermal; Long term systemic effects: 0.375 mg/kg bw/day

WASHCHEMICAL Non-Biological Laundry Detergent

PNEC
- Fresh water; 0.005 mg/l
- marine water; 0.005 mg/l
- Intermittent release, Fresh water; 0.05 mg/l
- Sediment (Freshwater); 0.19 mg/kg dw
- Soil; 0.14 mg/kg dw

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide

DNEL
Workers - Dermal; Long term systemic effects: 85 mg/kg bw/day
Workers - Inhalation; Long term systemic effects: 6 mg/m³
Consumer - Dermal; Long term systemic effects: 42.5 mg/kg bw/day
Consumer - Inhalation; Long term systemic effects: 1.5 mg/m³
Consumer - Oral; Long term systemic effects: 0.425 mg/kg bw/day

PNEC
- Fresh water; 0.268 mg/l
- marine water; 0.0268 mg/l
- Intermittent release; 0.055 mg/l
- STP; 5.6 mg/l
- Sediment (Freshwater); 8.1 mg/kg dw
- Sediment (Marinewater); 8.1 mg/kg dw
- Soil; 35 mg/kg dw

Distyryl Biphenyl Derivative (CAS: 27344-41-8)

DNEL
Workers - Dermal; Long term systemic effects: 53 mg/kg
Consumer - Dermal; Long term systemic effects: 19 mg/kg
Consumer - Oral; Long term systemic effects: 1.9 mg/kg
Workers - Inhalation; Long term systemic effects: 20.5 mg/m³

PNEC
Fresh water; 0.0625 mg/l
marine water; 0.00625 mg/l
Intermittent release; 0.1028 mg/l
STP; 100 mg/l
Sediment (Freshwater); 198000 mg/kg
Sediment (Marinewater); 19800 mg/kg
Soil; 1 mg/kg

HEXYL CINNAMAL (CAS: 101-86-0)

DNEL
Workers - Inhalation; Long term systemic effects: 0.078 mg/m³
Workers - Inhalation; Short term local effects: 6.28 mg/m³
Workers - Dermal; Long term systemic effects: 18.2 mg/kg bw/day
Workers - Dermal; Long term local effects: 0.525 mg/cm²
Consumer - Inhalation; Long term systemic effects: 0.019 mg/m³
Consumer - Inhalation; Short term local effects: 4.71 mg/m³
Consumer - Dermal; Long term systemic effects: 9.11 mg/kg bw/day
Consumer - Dermal; Long term local effects: 0.0787 mg/cm²
Consumer - Dermal; Short term local effects: 0.0787 mg/cm²
Consumer - Oral; Long term systemic effects: 0.056 mg/kg bw/day

PNEC
Fresh water; 0.00126 mg/l
marine water; 0.000126 mg/l
STP; 10 mg/l
Sediment (Freshwater); 3.2 mg/kg dwt
Sediment (Marinewater); 0.064 mg/kg dwt
Soil; 9.51 mg/kg dwt

TETRAHYDROLINALOOL (CAS: 78-69-3)

WASHCHEMICAL Non-Biological Laundry Detergent

DNEL	Workers - Inhalation; Long term systemic effects: 2.75 mg/m³ Workers - Dermal; Long term systemic effects: 2.5 mg/kg bw/day Workers - Dermal; Short term local effects: 2.76 mg/cm² Consumer - Inhalation; Long term systemic effects: 0.68 mg/m³ Consumer - Oral; Long term systemic effects: 0.2 mg/kg bw/day Consumer - Dermal; Long term systemic effects: 1.25 mg/kg bw/day Consumer - Dermal; Short term local effects: 2.76 mg/cm²
PNEC	Fresh water; 0.0089 mg/l marine water; 0.00089 mg/l STP; 450 mg/l Sediment (Freshwater); 0.0821 mg/kg Sediment (Marinewater); 0.00821 mg/kg Soil; 0.0112 mg/kg

GERANIOL (CAS: 106-24-1)

DNEL	Workers - Inhalation; Long term systemic effects: 161.6 mg/m³ Workers - Dermal; Long term systemic effects: 12.5 mg/kg Consumer - Oral; Long term systemic effects: 13.75 mg/kg Consumer - Inhalation; Long term systemic effects: 47.8 mg/m³ Consumer - Dermal; Long term systemic effects: 7.5 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent skin contact.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Opaque liquid. Liquid.
Colour	White.
Odour	Perfume.
pH	pH (concentrated solution): 8-8.5
Melting point	> 10°C
Initial boiling point and range	> 100°C @ 760 mm Hg
Relative density	~ 1.16 @ @ 20°C
Solubility(ies)	Miscible with water.
Viscosity	1000-1500 cP @ 20°C

9.2. Other information

Other information	Not available.

WASHCHEMICAL Non-Biological Laundry Detergent

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not known.

10.4. Conditions to avoid

Conditions to avoid	Avoid contact with the following materials: Oxidising agents. Reducing agents.

10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Oxides of the following substances: Carbon. Sulphur.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	16,722.41

Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause discomfort if swallowed.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Risk of serious damage to eyes.
Acute and chronic health hazards	Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.

Toxicological information on ingredients.

PENTASODIUM TRIPHOSPHATE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,001.0
Species	Rat
ATE oral (mg/kg)	2,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	4,641.0
Species	Rabbit
ATE dermal (mg/kg)	4,641.0

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide

Acute toxicity - oral

WASHCHEMICAL Non-Biological Laundry Detergent

Acute toxicity oral (LD_{50} mg/kg)	2,001.0
Species	Rat
ATE oral (mg/kg)	2,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEL 85 mg/kg, Oral, Rat LOAEL 145 mg/kg, Oral, Rat NOAEL 440 mg/kg, Dermal, Mouse

Alcohols, C13-15, branched and linear, ethoxylated

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	500.0
Species	Rat

Carboxymethyl Cellulose

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,001.0
Species	Rat
ATE oral (mg/kg)	2,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rabbit
ATE dermal (mg/kg)	2,001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} dust/mist mg/l)	5.6
Species	Rat
ATE inhalation (dusts/mists mg/l)	5.6

Distyryl Biphenyl Derivative

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,001.0
Species	Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rat

WASHCHEMICAL Non-Biological Laundry Detergent

ATE dermal (mg/kg)	2,001.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} dust/mist mg/l)	3.9
Species	Rat

d-LIMONENE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	4,400.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rabbit
Carcinogenicity	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

HEXYL CINNAMAL

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	3,100.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	3,001.0
Species	Rabbit
ATE dermal (mg/kg)	3,001.0

1,2-benzisothiazol-3(2H)-one

Acute toxicity - oral	
ATE oral (mg/kg)	500.0
Acute toxicity - inhalation	
ATE inhalation (vapours mg/l)	0.5

Allyl Amyl Glycolate

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	302.0
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	1,105.0
ATE dermal (mg/kg)	1,100.0

WASHCHEMICAL Non-Biological Laundry Detergent

TETRAHYDROLINALOOL

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	8,270.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rabbit

Camphor

Acute toxicity - inhalation	
ATE inhalation (dusts/mists mg/l)	1.5

2,4-Dimethylcyclohex-3-ene-1-carbaldehyde

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	3,900.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,500.0
Species	Rabbit

GERANIOL

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	3,600.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rabbit

DAMASCONE (DELTA)

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	1,400.0
Species	Mouse
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,001.0
Species	Rabbit

WASHCHEMICAL Non-Biological Laundry Detergent

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEL 30 mg/kg, Oral, Rat

potassium hydroxide

Acute toxicity - oral

ATE oral (mg/kg)	500.0

SECTION 12: Ecological information

Ecotoxicity	Environmental information currently available for the ingredients of this preparation indicates that it does not contain any ingredients currently classified as Dangerous for the Environment.

12.1. Toxicity

Toxicity	Not considered toxic to fish.

Ecological information on ingredients.

PENTASODIUM TRIPHOSPHATE

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, : >1850 mg/l,
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	ErC50, : 160 mg/l, Desmodesmus subspicatus

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	LOEC, 96 hours: 5 mg/l, Fish

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 1-10 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 1-10 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: 10-100 mg/l, Algae EC10, 72 days: 1.5 mg/l, Algae
Acute toxicity - microorganisms	EC_{50}, 17 hours: 63 mg/l, PSEUDOMONAS PUTIDA

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	NOEC, 72 days: 0.1-1 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	EC_{20}, 32 days: 0.27 mg/l, Freshwater invertebrates

Alcohols, C13-15, branched and linear, ethoxylated

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 1-10 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 1-10 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 1-10 mg/l, Scenedesmus subspicatus

WASHCHEMICAL Non-Biological Laundry Detergent

Acute toxicity - microorganisms	EC10, : >1000 mg/l, Activated sludge
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	NOEC, : >0.1-<1 mg/l,

Carboxymethyl Cellulose

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: >21000 mg/l, Oncorhynchus mykiss (Rainbow trout)

Distyryl Biphenyl Derivative

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: >10 - <100 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC_{50}, 24 hours: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: >10 - <100 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC_{50}, 4 hours: >1000 mg/l, Activated sludge

d-LIMONENE

Acute aquatic toxicity	
$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 0.7 mg/l, Pimephales promelas (Fat-head Minnow) LC_{50}, 96 hours: 0.8 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 0.4 mg/l, Daphnia magna EC_{50}, 48 hours: 69.6 mg/l, Daphnia
Acute toxicity - aquatic plants	NOEC, 96 hours: 4 mg/l, ErC50, 72 hours: 8 mg/l, Desmodesmus subspicatus NOEC, 72 hours: 2.62 mg/l, Desmodesmus subspicatus
Chronic aquatic toxicity	
M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEC, 16 days: estimated 0.115 mg/l, Daphnia magna

HEXYL CINNAMAL

Acute aquatic toxicity	
$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 1.7 mg/l, Fish LC_{50}, 96 hours: 3.1 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 3.86 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 6.87 mg/l, Pseudokirchneriella subcapitata

Cedr-8-enyl Methyl Ketone (Acetyl Cedrene)

WASHCHEMICAL Non-Biological Laundry Detergent

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

Chronic aquatic toxicity

M factor (Chronic)	1

1,2-benzisothiazol-3(2H)-one

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 1.6 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 2.94 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 0.11 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC_{20}, 3 hours: 3.3 mg/l, Activated sludge

Allyl Amyl Glycolate

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

2,4-Dimethylcyclohex-3-ene-1-carbaldehyde

Acute aquatic toxicity

Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 76 mg/l, Daphnia

GERANIOL

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 14 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 10.8 mg/l, Daphnia
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 13.1 mg/l, Algae

Oxacyclohexadecen-2-one

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

Chronic aquatic toxicity

M factor (Chronic)	1

DAMASCONE (DELTA)

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1

WASHCHEMICAL Non-Biological Laundry Detergent

M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 0.97 mg/l, Oryzias latipes (Red killifish)
Acute toxicity - aquatic plants	ErC50, 72 hours: 4.54 mg/l, Pseudokirchneriella subcapitata NOEC, 72 hours: 0.883 mg/l, Pseudokirchneriella subcapitata
Chronic aquatic toxicity	
M factor (Chronic)	1

potassium hydroxide

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: 44 (24h) mg/l, Fish

12.2. Persistence and degradability

Persistence and degradability: The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

Ecological information on ingredients.

d-LIMONENE

Persistence and degradability	Not readily biodegradable.

HEXYL CINNAMAL

Persistence and degradability	Readily biodegradable.
Biodegradation	- 97%: 28 days

TETRAHYDROLINALOOL

Persistence and degradability	Readily biodegradable.

GERANIOL

Persistence and degradability	Readily biodegradable.
Biodegradation	- 82%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

Ecological information on ingredients.

d-LIMONENE

Partition coefficient	log Kow: 2.78-5.03

HEXYL CINNAMAL

Partition coefficient	log Pow: 5.3

TETRAHYDROLINALOOL

Partition coefficient	log Pow: 3.3

2,4-Dimethylcyclohex-3-ene-1-carbaldehyde

WASHCHEMICAL Non-Biological Laundry Detergent

Partition coefficient	log Pow: 2.34

GERANIOL

Partition coefficient	log Pow: 2.6

DAMASCONE (DELTA)

Partition coefficient	log Pow: 4.2

12.4. Mobility in soil

Mobility	The product is non-volatile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects	None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

EURAL Code

SECTION 14: Transport information

General	Not regulated.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

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

WASHCHEMICAL Non-Biological Laundry Detergent

National regulations	Health and Safety at Work etc. Act 1974 (as amended). CHiP The Control of Substances Hazardous to Health Regulations
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Revision is due to change of UFI number
Revision date	07/07/2021
Revision	5
Supersedes date	13/02/2019
SDS number	7801/22314
Hazard statements in full	H226 Flammable liquid and vapour. H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.