



# Washing Up Liquid - Basil & Lime / Tomato & Pomegranate / Apple & Pear / Blackberry & Fig / Festive

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Revision date: 02/11/2020 Supersedes version of: 17/03/2020 Version: 5.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Washing Up Liquid - Basil & Lime / Tomato & Pomegranate / Apple & Pear / Blackberry & Fig / Festive  
Product code : MIX041, MIX042, MIX125, MIX126 & MIX060  
Type of product : Detergent  
Synonyms : Basil & Lime / Tomato & Pomegranate / Apple & Pear / Blackberry & Fig / Festive

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : Hand dishwashing detergent

##### 1.2.2. Uses advised against

Restrictions on use : Use only for intended applications.

#### 1.3. Details of the supplier of the safety data sheet

Town Talk Polish Co Ltd  
Slater Lane  
Bolton, BL2 2TQ - UK  
T +44 (0) 1204 520014 - F +44 (0) 1204 362778  
[Products@towntalkpolish.com](mailto:Products@towntalkpolish.com) - [www.towntalkpolish.com/](http://www.towntalkpolish.com/)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 1204 529981 (9.00am - 5.00pm Monday- Friday UK time)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

None under normal use.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger

Contains : Sulphonic acids, C14-17-sec-alkane, sodium salts; Alcohols, C12-14, ethoxylated, sulfates, sodium salts; 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

Hazard statements (CLP) : H315 - Causes skin irritation.  
H318 - Causes serious eye damage.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.  
P273 - Avoid release to the environment.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
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 doctor, a POISON CENTER.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

EUH-statements : EUH208 - Contains d-limonene, Hexyl cinnamal. May produce an allergic reaction.

Extra phrases : See Section 15 for labelling information in accordance with Regulation (EC) No.648/2004 on detergents .  
Allergenic fragrance declarations are for Basil & Lime, Tomato & Pomegranate, Blackberry & Fig and Festive. There are no allergenic fragrance declarations required for Apple & Pear.

#### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.  
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	(CAS-No.) 68891-38-3 (EC-No.) 500-234-8 (REACH-no) 01-2119488639-16	10 – 15	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sulphonic acids, C14-17-sec-alkane, sodium salts	(CAS-No.) 97489-15-1 (EC-No.) 307-055-2 (REACH-no) 01-2119489924-20	5 – 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts	(CAS-No.) 97862-59-4 (EC-No.) 931-296-8 (REACH-no) 01-2119488533-30	1 – 5	Eye Dam. 1, H318 Aquatic Chronic 3, H412
Glycerine substance with national workplace exposure limit(s) (GB)	(CAS-No.) 56-81-5 (EC-No.) 200-289-5 (REACH-no) 01-2119471987-18	1 – 5	Not classified
d-limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 (REACH-no) 01-2119529223-47	< 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hexyl cinnamal	(CAS-No.) 101-86-0 (EC-No.) 202-983-3	< 1	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	(CAS-No.) 68891-38-3 (EC-No.) 500-234-8 (REACH-no) 01-2119488639-16	( 5 ≤C < 100) Eye Irrit. 2, H319 ( 10 ≤C < 100) Eye Dam. 1, H318
Sulphonic acids, C14-17-sec-alkane, sodium salts	(CAS-No.) 97489-15-1 (EC-No.) 307-055-2 (REACH-no) 01-2119489924-20	( 10 <C < 100) Skin Irrit. 2, H315 ( 10 <C ≤ 15) Eye Irrit. 2, H319 ( 15 <C < 100) Eye Dam. 1, H318 ( 60 <C < 100) Acute Tox. 4 (Oral), H302
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts	(CAS-No.) 97862-59-4 (EC-No.) 931-296-8 (REACH-no) 01-2119488533-30	( 4 <C ≤ 10) Eye Irrit. 2, H319 ( 10 <C ≤ 100) Eye Dam. 1, H318

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a doctor.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. If symptoms persist call a doctor.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact, immediately rinse eyes with plenty of water for at least 15 minutes. Get immediate medical advice/attention.
First-aid measures after ingestion	: If swallowed: rinse mouth. Do NOT induce vomiting. Drink plenty of water. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation	: None.
Symptoms/effects after skin contact	: Causes skin irritation. May cause sensitisation of susceptible persons by skin contact.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: None.

### 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	: Use extinguishing agent suitable for surrounding fire. Dry chemical, CO <sub>2</sub> , or water spray or regular foam.
Unsuitable extinguishing media	: None.

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

Hazardous decomposition products in case of fire	: None known.
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### 5.3. Advice for firefighters

Firefighting instructions	: Do not allow run-off from fire-fighting to enter drains or water courses.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin and eyes.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment	: For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up	: Contain or absorb spilled liquid with earth or other absorbent material. After cleaning, flush traces away with water. If spilled, may cause the floor to be slippery.
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### 6.4. Reference to other sections

SECTION 8. SECTION 11. SECTION 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Keep out of reach of children. Avoid contact with skin and eyes.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse.

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
Incompatible products : Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end use(s)

Hand dishwashing detergent.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Glycerine (56-81-5)	
United Kingdom - Occupational Exposure Limits	
Local name	Glycerol
WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> mist
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

d-limonene (5989-27-5)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	222 µg/cm <sup>2</sup>
Long-term - systemic effects, dermal	9.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	66.7 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - local effects, dermal	111 µg/cm <sup>2</sup>
Long-term - systemic effects, oral	4.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	16.6 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	4.8 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	14 µg/L
PNEC aqua (marine water)	1.4 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	3.85 mg/kg dwt
PNEC sediment (marine water)	385 µg/kg dw
PNEC (Soil)	
PNEC soil	763 µg/kg dw
PNEC (Oral)	
PNEC oral (secondary poisoning)	133 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	1.8 mg/l

Sulphonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	2.8 mg/cm <sup>2</sup>
Long-term - systemic effects, dermal	5 mg/kg bodyweight/day

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Long-term - local effects, dermal	2.8 mg/cm <sup>2</sup>
Long-term - systemic effects, inhalation	35 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, oral	7.1 mg/kg bodyweight
Acute - local effects, dermal	2.8 mg/cm <sup>2</sup>
Long-term - systemic effects, oral	7.1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	12.4 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	3.57 mg/kg bodyweight/day
Long-term - local effects, dermal	2.8 mg/cm <sup>2</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	60 µg/L
PNEC aqua (marine water)	6 µg/L
PNEC aqua (intermittent, freshwater)	60 µg/L
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	9.4 mg/kg dwt
PNEC sediment (marine water)	940 µg/kg dw
<b>PNEC (Soil)</b>	
PNEC soil	9.4 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	53.3 mg/kg food
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	600 mg/l

### Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	2750 mg/kg bodyweight/day
Long-term - local effects, dermal	132 µg/cm <sup>2</sup>
Long-term - systemic effects, inhalation	175 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	15 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	52 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	1650 mg/kg bodyweight/day
Long-term - local effects, dermal	79 µg/cm <sup>2</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	240 µg/L
PNEC aqua (marine water)	24 µg/L
PNEC aqua (intermittent, freshwater)	71 µg/L
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	916.8 µg/kg dw
PNEC sediment (marine water)	91.7 µg/kg dw

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<b>PNEC (Soil)</b>	
PNEC soil	7.5 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	10000 mg/l
<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	12.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	44 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	7.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	13.04 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	7.5 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	13.5 µg/L
PNEC aqua (marine water)	1.35 µg/L
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	11.1 mg/kg dwt
PNEC sediment (marine water)	1.11 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	850 mg/kg KW
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	3000 mg/l
<b>Glycerine (56-81-5)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - local effects, inhalation	56 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	229 mg/kg bodyweight/day
Long-term - local effects, inhalation	33 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.885 mg/l
PNEC aqua (marine water)	0.0885 mg/l
PNEC aqua (intermittent, freshwater)	8.85 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	3.3 mg/kg dwt
PNEC sediment (marine water)	0.33 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.141 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	1000 mg/l

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### 8.2. Exposure controls

#### Appropriate engineering controls:

Good standard of general ventilation. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

#### Personal protective equipment:

Safety glasses. Gloves.

#### Hand protection:

Protective gloves made of latex. Neoprene/viton®. Nitrile rubber gloves, natural rubber gloves. PVC gloves. EN 374

#### Eye protection:

EN 166

#### Respiratory protection:

No respiratory protection needed under normal use conditions

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous. clear. Mobile liquid.
Colour	: Basil & Lime - . Green. Tomato & Pomegranate -. pink. Apple & Pear -. Yellow. Blackberry & Fig -. Purple. Festive - Green.
Odour	: Basil & Lime - . Festive -. Citrus fruits. Tomato & Pomegranate -. Apple & Pear -. Blackberry & Fig -. Fruity.
Odour threshold	: No data available
pH	: 4.5 – 5.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1030 – 1040 @ 20°C
Solubility	: Miscible with water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 2000 – 3000 cP
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available



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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

None.

#### 10.2. Chemical stability

Stable under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

None under normal use.

#### 10.4. Conditions to avoid

Keep away from heat.

#### 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### d-limonene (5989-27-5)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
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#### Sulphonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)

LD50 oral rat	500 – 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	> 500 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight

#### Glycerine (56-81-5)

LD50 oral rat	27 mg/kg bodyweight Animal: rat, Animal sex: female
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Skin corrosion/irritation : Causes skin irritation.  
pH: 4.5 – 5.5  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 4.5 – 5.5  
Respiratory or skin sensitisation : Not classified  
Additional information : May cause sensitisation of susceptible persons by skin contact  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

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STOT-repeated exposure : Not classified

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	
NOAEL (oral, rat, 90 days)	> 225 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

d-limonene (5989-27-5)	
LC50 fish 1	720 µg/l
EC50 Daphnia 1	307 µg/l
EC50 72h algae (1)	0.32 mg/l
NOEC (chronic)	0.115 mg/l Test organisms (species): other:For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d'
NOEC chronic fish	0.37 mg/l
NOEC chronic crustacea	0.153 ml/l

Sulphonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)	
LC50 fish 1	> 1 mg/l
LC50 fish 2	8.4 mg/l Test organisms (species): Leuciscus idus melanotus
EC50 Daphnia 1	9.2 mg/l Test organisms (species): Daphnia magna
EC50 Daphnia 2	9.8 mg/l Test organisms (species): Daphnia magna
EC50 other aquatic organisms 1	9.81 mg/l waterflea
EC50 other aquatic organisms 2	> 61 mg/l
EC50 72h algae (1)	> 61 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h algae (2)	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	1.6 mg/l Test organisms (species): Daphnia magna Duration: '22 d'

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	
LC50 fish 1	7.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	7.2 mg/l Test organisms (species): Daphnia magna
EC50 Daphnia 2	7.4 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	27 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

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EC50 72h algae (2)	27.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	0.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.14 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'

### 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)

LC50 fish 1	1.11 mg/l Freshwater
LC50 fish 2	1.1 mg/l Marine

### Glycerine (56-81-5)

LC50 fish 1	54000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
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## 12.2. Persistence and degradability

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Persistence and degradability	Product is biodegradable. This surfactant complies 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.
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### d-limonene (5989-27-5)

Persistence and degradability	Readily biodegradable.
Biodegradation	100 %

### Sulphonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)

Persistence and degradability	Readily biodegradable.
Biodegradation	100 %

### Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

Persistence and degradability	Readily biodegradable.
Biodegradation	100 %

### 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)

Persistence and degradability	Readily biodegradable.
Biodegradation	100 %

## 12.3. Bioaccumulative potential

### Washing Up Liquid - Basil & Lime / Tomato & Pomegranate / Apple & Pear / Blackberry & Fig / Festive

Bioaccumulative potential	Bioaccumulation unlikely.
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### d-limonene (5989-27-5)

BCF fish 2	690.1 l/kg
Partition coefficient n-octanol/water (Log Pow)	4.38 @ 25°C

# Washing Up Liquid - Basil & Lime / Tomato & Pomegranate / Apple & Pear / Blackberry & Fig / Festive

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Bioaccumulative potential	There is no bioaccumulation.
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Sulphonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)	
Partition coefficient n-octanol/water (Log Kow)	0.2 @ 20°C
Bioaccumulative potential	There is no bioaccumulation.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	
Bioaccumulative potential	There is no bioaccumulation.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)	
Partition coefficient n-octanol/water (Log Kow)	4.232 @ 20°C

### 12.4. Mobility in soil

Washing Up Liquid - Basil & Lime / Tomato & Pomegranate / Apple & Pear / Blackberry & Fig / Festive	
Ecology - soil	Miscible with water. Expected to be highly mobile in soil.

d-limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Koc)	2413 @ 20°C

### 12.5. Results of PBT and vPvB assessment

Washing Up Liquid - Basil & Lime / Tomato & Pomegranate / Apple & Pear / Blackberry & Fig / Festive	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

Component	
d-limonene (5989-27-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sulphonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (97862-59-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Glycerine (56-81-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Hexyl cinnamal (101-86-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

Other adverse effects : None known.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : This material and its container must be disposed of as hazardous waste.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

#### 14.6. Special precautions for user

##### Overland transport

Not regulated

##### Transport by sea

Not regulated

##### Air transport

Not regulated

##### Inland waterway transport

Not regulated

##### Rail transport

Not regulated

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

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Allergenic fragrances > 0,01%:

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LIMONENE  
LINALOOL  
CITRAL  
CITRONELLOL  
Geraniol  
Hexyl cinnamal

Detergent Regulation (648/2004/EC): Labelling of contents:

Component	%
anionic surfactants	15-30%
amphoteric surfactants	<5%
Sodium benzoate	
perfumes	

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out

d-limonene  
Sulphonic acids, C14-17-sec-alkane, sodium salts  
Alcohols, C12-14, ethoxylated, sulfates, sodium salts  
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts  
Glycerine

## SECTION 16: Other information

### Indication of changes:

Section	Changed item	Change	Comments
1.1		Added	Apple & Pear, Blackberry & Fig and Festive variants added to this sds
2.2		Removed	H317
2.2		Added	EUH208
3.2		Modified	Amendment to base formulation. Fragrances modified and added. Declarations amended accordingly
9.1		Modified	pH, Viscosity range, Density range, Colour & Odour
15.1		Modified	Fragrances changed and declarations amended accordingly

### Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level

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DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
IATA	International Air Transport Association
	IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO)
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
NOAEL	No-Observed Adverse Effect Level
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative

Data sources : ECHA (European Chemicals Agency). Supplier's safety documents.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.
EUH208	Contains d-limonene, Hexyl cinnamal. May produce an allergic reaction.

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SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.