

according to UK REACH Regulation

**B 2 S**

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Product code: 89300250

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

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UFI: MSWX-MAJA-098S-GNDM

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

Rinse aid

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

Company name: Winterhalter Gastronom GmbH  
Street: Winterhalterstrasse 2 - 12  
Place: D-88074 Meckenbeuren  
Telephone: +49 7542 4020  
e-mail: info@winterhalter.com  
Contact person: Business Unit Chemicals  
e-mail: sds@winterhalter.com  
Internet: www.winterhalter.com

**Supplier**

Company name: Winterhalter Ltd.  
Street: Winterhalter House, Roebuck Way  
Place: GB Knowlhill Milton Keynes MK5 8WH  
Telephone: +44 1908 3590-00  
e-mail: info@winterhalter.co.uk  
Contact person: Business Unit Chemicals  
e-mail: sds@winterhalter.com  
Internet: www.winterhalter.co.uk

**1.4. Emergency telephone number:**

Domestic emergency number (Chemtrec): +44 20 3807 3798  
international emergency number (Chemtrec): +44 20 3885 0382

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

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

**2.2. Label elements****GB CLP Regulation****Precautionary statements**

P501 Dispose of waste according to applicable legislation.

**Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
77-92-9	Citric acid			2.5 - < 5 %
	201-069-1	607-750-00-3	01-2119457026-42	
	Eye Irrit. 2, STOT SE 3; H319 H335			
68439-51-0	Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO)			2.5 - < 5 %
	931-986-9			
	Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 3; H319 H400 H412			
68439-51-0	Alcohols, C12-14 (even numbered), ethoxylated propoxylated (≥ 2.5 moles EO/PO)			2.5 - < 5 %
	931-986-9			
	Aquatic Chronic 3; H412			
15763-76-5	Sodium p-cumenesulphonate			2.5 - < 5 %
	239-854-6		01-2119489411-37	
	Eye Irrit. 2; H319			

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	
77-92-9	201-069-1	Citric acid	2.5 - < 5 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = 5400 mg/kg	
68439-51-0	931-986-9	Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO)	2.5 - < 5 %
		oral: LD50 = >2000 mg/kg	
68439-51-0	931-986-9	Alcohols, C12-14 (even numbered), ethoxylated propoxylated (≥ 2.5 moles EO/PO)	2.5 - < 5 %
		oral: LD50 = >2000-5000 mg/kg	
15763-76-5	239-854-6	Sodium p-cumenesulphonate	2.5 - < 5 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	

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

5 % - &lt; 15 % non-ionic surfactants, &lt; 5 % amphoteric surfactants, preservation agents (Benzisothiazolinone).

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Provide fresh air.

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

**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.

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**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**

In case of fire: Wear self-contained breathing apparatus.

**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. Do not breathe gas/fumes/vapour/spray. 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.

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

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). 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.

**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)**

Rinse aid

**SECTION 8: Exposure controls/personal protection**

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**8.1. Control parameters****DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
15763-76-5	Sodium p-cumenesulphonate			
Worker DNEL, long-term		dermal	systemic	136,25 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	26,9 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	local	0,096 mg/cm <sup>2</sup>
Consumer DNEL, long-term		dermal	systemic	68,1 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	6,6 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	3,8 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	0,048 mg/cm <sup>2</sup>

**PNEC values**

CAS No	Substance	Value
15763-76-5	Sodium p-cumenesulphonate	
Freshwater		0,23 mg/l
Marine water		0,023 mg/l
Freshwater sediment		0,862 mg/kg
Marine sediment		0,0862 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,037 mg/kg

**Additional advice on limit values**

To date, no national critical limit values exist.

**8.2. Exposure controls****Individual protection measures, such as personal protective equipment****Eye/face protection**

Suitable eye protection: Eye glasses (EN 166)

**Hand protection**

Use of protective gloves (EN ISO 374-1 / Typ B (KPT))

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

Not required if handled as intended.

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

Physical state:	Liquid	
Colour:	colourless	
Odour:	product-specific	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		100 °C

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Flammability:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value (at 20 °C):	2,1
Water solubility:	easily soluble
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	1,03 g/cm <sup>3</sup>
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

## Viscosity / dynamic:

&lt; 10 mPa·s

(at 20 °C)

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

Reacts with water and alkalis, generating heat.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Exothermic reaction with: alkali

**10.4. Conditions to avoid**

none

**10.5. Incompatible materials**

Keep away from: alkali

**10.6. Hazardous decomposition products**

No decomposition when stored and used as directed.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
77-92-9	Citric acid				
	oral	LD50 mg/kg 5400	Mouse	ECHA	OECD 401
	dermal	LD50 mg/kg >2000	Rat	ECHA	OECD 402
68439-51-0	Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO)				
	oral	LD50 mg/kg >2000	Rat	Manufacturer	
68439-51-0	Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>= 2.5 moles EO/PO)				
	oral	LD50 mg/kg >2000-5000	Rat	Manufacturer	
15763-76-5	Sodium p-cumenesulphonate				
	oral	LD50 mg/kg >5000	Rat	Manufacturer	OECD 401
	dermal	LD50 mg/kg >2000	Rabbit	literature value	

**Irritation and corrosivity**

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

**Sensitising effects**

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.

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**11.2. Information on other hazards****Endocrine disrupting properties**

No information available.

**Further information**

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

**SECTION 12: Ecological information****12.1. Toxicity**

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

The product is not: Ecotoxic.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
77-92-9	Citric acid					
	Acute fish toxicity	LC50 440 mg/l	96 h	Leuciscus idus (golden orfe)	ECHA	OECD 203
	Acute crustacea toxicity	EC50 1535 mg/l	48 h	Daphnia magna (Big water flea)	ECHA	
	Algae toxicity	NOEC 425 mg/l	8 d	Scenedesmus quadricauda	ECHA	OECD 201
68439-51-0	Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO)					
	Acute fish toxicity	LC50 >0,1-1 mg/l	96 h	Cyprinus carpio (Common Carp)	Manufacturer	OECD 203
	Acute algae toxicity	ErC50 >0,1-1 mg/l	72 h	Desmodesmus subspicatus	Manufacturer	OECD 201
	Acute crustacea toxicity	EC50 >0,1-1 mg/l	48 h	Daphnia magna (Big water flea)	Manufacturer	OECD 202
	Acute bacteria toxicity	(EC50 990 mg/l)	3 h		Manufacturer	OECD 209 OECD 209
68439-51-0	Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>= 2.5 moles EO/PO)					
	Acute fish toxicity	LC50 >1-10 mg/l	96 h	Poecilia reticulata (Guppy)	Manufacturer	OECD 203
	Acute algae toxicity	ErC50 >1-10 mg/l	72 h	Desmodesmus subspicatus	Manufacturer	OECD 201
	Acute crustacea toxicity	EC50 >1-10 mg/l	48 h	Daphnia magna (Big water flea)	Manufacturer	OECD 202
15763-76-5	Sodium p-cumenesulphonate					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	literature value	
	Acute algae toxicity	ErC50 >100 mg/l	96 h	Pseudokirchneriella subcapitata	literature value	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna (Big water flea)	literature value	
	Acute bacteria toxicity	(EC50 >1000 mg/l)	3 h		Manufacturer	OECD 209

**12.2. Persistence and degradability**

The product has not been tested.

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
77-92-9	Citric acid			
	OECD 301E	100%	19	ECHA
	Readily biodegradable (according to OECD criteria).			
68439-51-0	Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>2.5 moles EO/PO)			
	OECD 301B	>60%	28	
	Readily biodegradable (according to OECD criteria).			
68439-51-0	Alcohols, C12-14 (even numbered), ethoxylated propoxylated (>= 2.5 moles EO/PO)			
	OECD 301B	>60%	28	Manufacturer
	Readily biodegradable (according to OECD criteria).			
	OECD 311	>60%	59	Manufacturer
	Biodegradable.			
15763-76-5	Sodium p-cumenesulphonate			
	OECD 301B	>60%	28	literature value
	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
77-92-9	Citric acid	-1,6

**BCF**

CAS No	Chemical name	BCF	Species	Source
77-92-9	Citric acid	3,2		ECHA

**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.

**List of Wastes Code - residues/unused products**

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

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### List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

### 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.  
**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

2004/42/EC (VOC): 0,089 % (0,918 g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

#### 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): 2 - obviously hazardous to water

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**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Abbreviations and acronyms**

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  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

**Relevant H and EUH statements (number and full text)**

H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

**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.

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