SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	SENSODYNE TOOTHPASTE (WITH TITANIUM DIOXIDE)
Registration number	-
Synonyms	IB 1171 SENSODYNE-F BAKING SODA * IB 1850 SENSODYNE WITH VITAMINS * IB 2078 SENSODYNE TOOTHPASTE ORIGINAL (US) * MFC00299 SENSODYNE ORIGINAL TOOTHPASTE * MFC00556 GENTLE WHITENING (UK) * MFC00556 SENSODYNE GEL WHITENING * MFC00645 SENSODYNE F * MFC00843 SENSODYNE FRESH IMPACT * MFC00858 PRONAMEL * MFC00925 PRONAMEL FRESH WAVE * MFC00926 SENSODYNE PRONAMEL MINT ESSENCE, SENSODYNE PRONAMEL (CANADA) * MFC01942 PRONAMEL FOR CHILDREN (EU) * MFC02031 SENSODYNE PRONAMEL WITH MISSISSIPPI TP10926 FLAVOUR, 1450PPM FLUORIDE * MFC02031 SENSODYNE PROSMALTO * MFC02141 EXTRA WHITENING (REPLACEMENT MINT FLAVOR) * MFC02389 SENSODYNE PRONAMEL FOR CHILDREN (US) * MFC02402 SENSODYNE PRONAMEL GENTLE WHITENING (US) * MFC02559 FRESHMINT (INDIA) * MFC03126 SENSODYNE FRESH MINT * MFC03129 SENDSODYNE (SHUMITECT) FRESH MINT (WHITE 928PPM FLUORIDE) * MFC03129 SHUMITECT DAILY CARE PLUS (SENSODYNE FRESH MINT) * MFC03129 SENSODYNE (SHUMITECT ORIGINAL/CAVITY/DAILY CARE PLUS) FRESH MINT * MFC03130 SENSODYNE FRESH MINT (GREEN 1150PPM F-) * MFC03132 SENSODYNE FRESH GEL (BLUE 1150PPM F-) * MFC03134 SENSODYNE EXTRA FRESH * MFC03135 SENSODYNE EXTRA FRESH * MFC03139 SENSODYNE EXTRA FRESH (BLUE PHASE 1000PPM F- BUZZ) * MFC03139 SENSODYNE MULTI-CARE * MFC03139 SENSODYNE FRESH IMPACT * MFC03140 SENSODYNE EXTRA FRESH * MFC03141 SENSODYNE EXTRA FRESH (COMPOSITE 1150PPM F-) * MFC03144 SENSODYNE GUM HEALTH * MFC03145 SENSODYNE COMPLEX; SENSODYNE MULTICARE * MFC03145 SENSODYNE EXTRA FRESH * MFC03145 SENSODYNE TOTAL CARE * MFC03146 SENSODYNE TOTAL CARE (1000PPM F-) * MFC03218 SENSODYNE FULL PROTECTION PLUS WHITENING * MFC03219 SENSODYNE TARTAR CONTROL & WHITENING * MFC03358 SENDSODYNE REPAIR AND PROTECT WHITENING (1450PPM SODIUM MONOFLUOROPHOSPHATE) * MFC03366 SENSODYNE (SHUMITECT) EXTRA FRESH / FRESH GEL (BLUE 928PPM FLUORIDE) (PROJECT BUZZ) * MFC03366 SHUMITECT SOUKAI WASH (SENSODYNE EXTRA FRESH) * MFC03366 SHUMITECT SOKAI WASH (SENSODYNE EXTRA FRESH / FRESH GEL: PROJECT BUZZ) * MFC03392 SENDSODYNE (SHUMITECT) GUM HEALTH (PINK 928PPM FLUORIDE) (PROJECT BUZZ) * MFC03673 PRONAMEL 1426 PPM FLUORIDE * MFC03673 PRONAMEL EXTRA FRESHNESS (EU), 1426 PPM FLUORIDE * MFC03795 PRONAMEL ENAMEL CARE & GENTLE WHITENING * MFC03925 PRONAMEL MULTI-ACTION * MFC04008 PRONAMEL (OPTAMINT 134601 FLAVOUR), 1450 PPM FLUORIDE * MFC04010 PRONAMEL GENTLE WHITENING TOOTHPASTE * MFC04017 SENSODYNE PRONAMEL MULTI-ACTION (928PPM FLUORIDE) * MFC04143 TRUE WHITE EXTRA FRESH (1100 PPM FLUORIDE) * MFC04155 TRUE WHITE MINT (1100 PPM FLUORIDE) * MFC04156 TRUE WHITE MINT * MFC04276 TRUE WHITE EXTRA FRESH TOOTHPASTE * MFC04431 SENSODYNE TRUE WHITE MINT 1150 PPM FLUORIDE (PHASE 2.0) * MFC04433 SENSODYNE TRUE MINT 1426 PPM FLUORIDE (PHASE 2.0) * MFC04437 SENSODYNE TRUE WHITE EXTRA FRESH 1150 PPM FLUORIDE (PHASE 2.0) * MFC04582 SENSODYNE REPAIR AND PROTECT WHITENING (1040PPM - PROJECT HYPERNOVA) * MFC04588 SENSODYNE TRUE WHITE MINT 928PPM FLUORIDE (PHASE 1.0) * MFC04668 SENSODYNE WHITENING FOR INDIA (927 PPM F) PROJECT GLEAM * MFC04733 SENSODYNE RAPID RELIEF REGULAR * MFC04734 SENSODYNE RAPID RELIEF WHITENING * MFC04735 SENSODYNE RAPID RELIEF EXTRA FRESH * MFC04737 SENSODYNE RAPID RELIEF REGULAR (1100PPM STANNOUS FLUORIDE) * MFC04738 SENSODYNE RAPID RELIEF WHITENING (1100PPM STANNOUS FLUORIDE) * MFC04769 SENSODYNE PRONAMEL STRONG & BRIGHT ENAMEL - MINT (1150 PPM F) * MFC04770 SENSODYNE PRONAMEL STRONG & BRIGHT ENAMEL - MINT (1426 PPM F) * MFC04771 SENSODYNE PRONAMEL STRONG & BRIGHT ENAMEL - EXTRA FRESH (1150 PPM F) * MFC04772 SENSODYNE PRONAMEL STRONG & BRIGHT ENAMEL - EXTRA FRESH (1426 PPM F) * MFC20026 MULTICARE TOOTHPASTE * MFC50076 SENSODYNE TARTAR CONTROL PLUS WHITENING * MFC50156 FRESH IMPACT * SODIUM FLUORIDE AND/OR POTASSIUM NITRATE, FORMULATED PRODUCT
Issue date	11-September-2014
Version number	40
Revision date	23-January-2017
Supersedes date	12-December-2016

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

Identified uses	Oral Care

Uses advised against No other uses are advised.

1.3. Details of the supplier of the safety data sheet

GlaxoSmithKline UK
980 Great West Road
Brentford, Middlesex TW8 9GS UK
UK General Information (normal business hours): +44-20-8047-5000

Email Address: msds@gsk.com
Website: www.gsk.com

1.4. Emergency telephone number

CHEMTREC TRANSPORT EMERGENCIES:
Customer Number: CCN9484
UK In-country toll call: +(44)-870-8200418
International toll call: +1 703 527 3887
available 24 hrs/7 days; multi-language response

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

Classification according to Regulation (EC) No 1272/2008 as amended

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

2.3. Other hazards This product will support combustion at elevated temperatures.
See section 11 for additional information on health hazards.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
GLYCERIN	0 - 61.5	56-81-5 200-289-5	-	-	
Classification: -					
SODIUM BICARBONATE	0 - 25	144-55-8 205-633-8	-	-	
Classification: -					
COLLOIDAL ANHYDROUS SILICA	0 - 24	-	-	-	
Classification: -					
SILICA, AMORPHOUS HYDRATED	0 - 24	10279-57-9 231-545-4	-	-	
Classification: -					
Silicon dioxide	0 - 24	7631-86-9 231-545-4	-	-	
Classification: -					
Polyethylene glycol	0 - 20	68130-99-4 -	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319					
Calcium carbonate	0 - 10	471-34-1 207-439-9	-	-	
Classification: -					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
TETRAPOTASSIUM PYROPHOSPHATE	0 - 5.5	7320-34-5 230-785-7	-	-	
Classification: Eye Irrit. 2;H319					
POTASSIUM PYROPHOSPHATE, ANHYDROUS	0 - 5.1	7320-34-5 230-785-7	-	-	
Classification: Eye Irrit. 2;H319					
NOVAMIN 4516	0 - 5	359684-27-8 -	-	-	
Classification: -					
Potassium nitrate	0 - 5	7757-79-1 231-818-8	-	-	
Classification: Ox. Sol. 3;H272					
SODIUM TRIPOLYPHOSPHATE	0 - 5	7758-29-4 231-838-7	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Aquatic Chronic 3;H412					
COCOAMIDOPROPYL BETAINE	0 - 4	61789-40-0 263-058-8	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Aquatic Acute 1;H400, Aquatic Chronic 1;H410					
Potassium chloride	0 - 3.8	7447-40-7 231-211-8	-	-	
Classification: Aquatic Chronic 3;H412					
POLYETHYLENE GLYCOL STEARATE	0 - 3	9004-99-3 -	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335					
DODECYL SODIUM SULFATE	0 - 2	151-21-3 205-788-1	-	-	
Classification: Flam. Sol. 1;H228, Acute Tox. 4;H302, Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335, Aquatic Chronic 3;H412					
Quartz	0 - 2	14808-60-7 238-878-4	-	-	
Classification: -					
ZINC CITRATE	0 - 2	546-46-3 208-901-2	-	-	
Classification: Aquatic Acute 1;H400					
FLAVOUR 730494 OPTAMINT PEARL	0 - 1.4	Mixture -	-	-	
Classification: -					
FLAVOUR CONFIDENT WHITE 509321	0 - 1.4	Unassigned -	-	-	
Classification: Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411					
SHINY WHITE OPTAMINT 733517	0 - 1.4	Unassigned -	-	-	
Classification: Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412					
OPTAMINT FLAVOUR	0 - 1.3	Unassigned -	-	-	
Classification: Flam. Liq. 3;H226, Skin Sens. 1;H317, Aquatic Chronic 2;H411					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
OPTAMINT MINT BLAST 733528	0 - 1.3	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412				
AQUAFRESH SENSITIVE FLAVOR	0 - 1.25	Mixture -	-	-	
Classification:	-				
CASSIOPEE BREEZE 509087T	0 - 1.25	-	-	-	
Classification:	-				
EAE41128/00 FRESHER FOREVER	0 - 1.2	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412				
FLAVOR OIL #261	0 - 1.2	Mixture -	-	-	
Classification:	-				
FLAVOUR TP16555 ARCTIC FOX	0 - 1.2	Mixture -	-	-	
Classification:	-				
NEBULA FLAVOUR 509528T	0 - 1.2	Unassigned -	-	-	
Classification:	-				
NOVAMINT 507306T	0 - 1.2	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411				
OPTAMINT BRIDGE 134601	0 - 1.2	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Aquatic Chronic 3;H412				
OPTAMINT® MASK 1.5 COMPLETE 826473	0 - 1.2	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411				
XANTHAN GUM	0 - 1.2	11138-66-2 234-394-2	-	-	
Classification:	-				
FLAVOUR BRIC II OPTAMINT 402653	0 - 1.1	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412				
FLAVOUR OIL TP10926 MISSISSIPPI	0 - 1.1	Unassigned -	-	-	
Classification:	-				
FLAVOUR OPTAMINT PROPOLIS 833315	0 - 1.1	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411				
FLAVOURING	0 - 1.1	Unassigned -	-	-	
Classification:	-				

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Flavour Linen TP-16421	0 - 1.1	Unassigned -	-	-	
Classification:	Flam. Liq. 3;H226, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412				
GALAXY FLAVOUR 508522 3T	0 - 1.1	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411				
NOVAMINT EXTRA SO FRESH FLAVOR 506944T	0 - 1.1	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1B;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412				
NOVAMINT EXTRA SO FRESH FLAVOUR	0 - 1.1	-	-	-	
Classification:	Skin Irrit. 2;H315, Aquatic Chronic 4;H413				
OPTAMINT INDIANA 888401	0 - 1.1	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411				
SENSIDREAM FLAVOR 508915T	0 - 1.1	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1B;H317, Aquatic Chronic 3;H412				
SODIUM MONOFLUOROPHOSPHATE	0 - 1.1	10163-15-2 233-433-0	-	-	#
Classification:	Acute Tox. 4;H302				
Titanium dioxide	0.1 - 1	13463-67-7 236-675-5	-	-	
Classification:	Carc. 2;H351				
TP13980J ASWAN (JAP) FLAVOUR	0 - 1.1	-	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411				
ALUMINA	0 - 1	1344-28-1 215-691-6	-	-	
Classification:	Acute Tox. 4;H302, Acute Tox. 4;H332				
CARBOXYMETHYLCELLULOSE	0 - 1	9000-11-7 -	-	-	
Classification:	-				
FI PURE COOL 2 - 507780 T	0 - 1	Unassigned -	-	-	
Classification:	Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411				
FLAVOUR AN142232	0 - 1	Unassigned -	-	-	
Classification:	-				
FLAVOUR JIMMY JINX FS2014 (GIVAUDAN)	0 - 1	Unassigned -	-	-	
Classification:	Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411				

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
FLAVOUR PETER PIPER FS2037 (GIVAUDAN)	0 - 1	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411				
FLAVOUR SLEEPY ED FS 2019	0 - 1	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411				
FLAVOUR SOFT MINT 507759T	0 - 1	Unassigned -	-	-	
Classification:	-				
FLAVOUR TP16273 STELLAR EC	0 - 1	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411				
GIVAUDAN FS 0791 DENTAL FLAVOUR (AF-43)	0 - 1	Unassigned -	-	-	
Classification:	-				
PEPPERMINT OIL	0 - 1	8006-90-4 -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411				
SENSODYNE FLAVOUR PREMIX IMX U4305	0 - 1	Unassigned -	-	-	
Classification:	Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411				
TP 16430 JIAOLONG EC	0 - 1	Unassigned -	-	-	
Classification:	Flam. Liq. 3;H226, Acute Tox. 4;H302, Asp. Tox. 1;H304, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Acute 1;H400, Aquatic Chronic 3;H412				
FLAVOUR CLEAN BURST 2 507780	0 - 0.9	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412				
DEVELOPMINT TP12995A	0 - 0.7	-	-	-	
Classification:	Acute Tox. 4;H302, Asp. Tox. 1;H304, Skin Sens. 1;H317, Aquatic Chronic 2;H411				
SODIUM HYDROXIDE	0 - 0.65	1310-73-2 215-185-5	-	011-002-00-6	
Classification:	Acute Tox. 3;H301, Acute Tox. 4;H312, Skin Corr. 1A;H314				
CORNMINT OIL TERPENELESS	0 - 0.55	68917-18-0 -	-	-	
Classification:	Acute Tox. 4;H302, Asp. Tox. 1;H304, Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411				
L-MENTHOL	0 - 0.5	2216-51-5 218-690-9	-	-	
Classification:	Skin Irrit. 2;H315, Eye Irrit. 2;H319				
TIN (II) FLUORIDE	0 - 0.5	7783-47-3 231-999-3	-	-	
Classification:	Acute Tox. 4;H302, Skin Irrit. 2;H315, Eye Dam. 1;H318, Aquatic Chronic 3;H412				

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
TRISODIUM PHOSPHATE, DODECAHYDRATE	0 - 0.5	10101-89-0 231-509-8	-	-	
Classification: Skin Corr. 1;H314, Eye Dam. 1;H318					
Eucalyptol	0 - 0.4	470-82-6 207-431-5	-	-	
Classification: Flam. Liq. 3;H226, Skin Sens. 1;H317					
Sodium fluoride	0 - 0.32	7681-49-4 231-667-8	-	009-004-00-7	#
Classification: Acute Tox. 3;H301, Skin Irrit. 2;H315, Eye Irrit. 2;H319					
FLAVOUR MAC 49 PEPPERMINT OIL	0 - 0.3	-	-	-	
Classification: -					
TOCOPHERYL ACETATE	0 - 0.2	7695-91-2 231-710-0	-	-	
Classification: -					
Trisodium phosphate	0 - 0.2	7601-54-9 231-509-8	-	-	
Classification: Skin Corr. 1;H314					
CITRIC ACID ANHYDROUS	0 - 0.1	77-92-9 201-069-1	-	-	
Classification: Eye Irrit. 2;H319					
D-PANTHENOL	0 - 0.1	81-13-0 201-327-3	-	-	
Classification: -					
FD AND C BLUE NO. 1 ALUMINUM LAKE	0 - 0.1	68921-42-6 272-939-6	-	-	
Classification: -					
PROPYL PARABEN	0 - 0.1	94-13-3 202-307-7	-	-	
Classification: -					
SODIUM BENZOATE	0 - 0.1	532-32-1 208-534-8	-	-	
Classification: Acute Tox. 4;H302, Eye Irrit. 2;H319					
SPEARMINT 21407	0 - 0.1	-	-	-	
Classification: -					
SUCRALOSE	0 - 0.1	56038-13-2 259-952-2	-	-	
Classification: -					
BUTYLATED HYDROXYANISOLE	0 - 0.01	25013-16-5 246-563-8	-	-	
Classification: Acute Tox. 4;H302, Carc. 2;H351					
BUTYLATED HYDROXYTOLUENE (BHT)	0 - 0.01	128-37-0 204-881-4	-	-	
Classification: Aquatic Chronic 4;H413					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
SPEARMINT OIL TERPENELESS	0 - 0.01	68917-46-4 -	-	-	
Classification:	Asp. Tox. 1;H304, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, STOT SE 3;H335, Aquatic Chronic 3;H412				

Other components below reportable levels <70.0

List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008.
DSD: Directive 67/548/EEC.
M: M-factor
vPvB: very persistent and very bioaccumulative substance.
PBT: persistent, bioaccumulative and toxic substance.
#: This substance has been assigned Community workplace exposure limit(s).

Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information If you feel unwell, seek medical advice (show the label where possible).

4.1. Description of first aid measures

Inhalation Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion Call a POISON CENTRE or doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed Direct contact with eyes may cause temporary irritation.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards This product will support combustion at elevated temperatures.

5.1. Extinguishing media

Suitable extinguishing media Water. Carbon dioxide (CO2). Alcohol resistant foam. Dry powder.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch or walk through spilled material. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

6.3. Methods and material for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapours or divert vapour cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special control measures required for the normal handling of this product. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Use personal protective equipment as required. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Oral Care

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

GSK

Components	Type	Value	Form
BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)	OHC	2	
CARBOXYMETHYLCELLULOSE (CAS 9000-11-7)	OHC	1	
CITRIC ACID ANHYDROUS (CAS 77-92-9)	8 HR TWA	5000 mcg/m3	
	OHC	1	
COCAMIDOPROPYL BETAINE (CAS 61789-40-0)	OHC	1	PROVISIONAL
DODECYL SODIUM SULFATE (CAS 151-21-3)	OHC	2	
D-PANTHENOL (CAS 81-13-0)	OHC	2	PROVISIONAL
L-MENTHOL (CAS 2216-51-5)	OHC	1	SKIN SENSITISER
Polyethylene glycol (CAS 68130-99-4)	OHC	1	>1000 - </=5000 mcg/m3 PROVISIONAL
Potassium chloride (CAS 7447-40-7)	8 HR TWA	5000 mcg/m3	
	OHC	1	
PROPYL PARABEN (CAS 94-13-3)	8 HR TWA	5000 mcg/m3	
	OHC	1	
SODIUM BENZOATE (CAS 532-32-1)	8 HR TWA	5000 mcg/m3	
SODIUM BICARBONATE (CAS 144-55-8)	8 HR TWA	5000 mcg/m3	
	OHC	1	
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)	OHC	1	
SUCRALOSE (CAS 56038-13-2)	OHC	1	
ZINC CITRATE (CAS 546-46-3)	OHC	1	

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
ALUMINA (CAS 1344-28-1)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
AMORPHOUS SYNTHETIC SILICA GEL (CAS 112926-00-8)	TWA	6 mg/m3	Total inhalable dust.
		2.4 mg/m3	Respirable dust.
BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0)	TWA	10 mg/m3	
Calcium carbonate (CAS 471-34-1)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
FD AND C BLUE NO. 1 ALUMINUM LAKE (CAS 68921-42-6)	TWA	2 mg/m3	
GLYCERIN (CAS 56-81-5)	TWA	10 mg/m3	Mist.
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable dust.
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)	TWA	6 mg/m3	Total inhalable dust.
		2.4 mg/m3	Respirable dust.
Silicon dioxide (CAS 7631-86-9)	TWA	6 mg/m3	Total inhalable dust.
		2.4 mg/m3	Respirable dust.
SODIUM HYDROXIDE (CAS 1310-73-2)	STEL	2 mg/m3	
Titanium dioxide (CAS 13463-67-7)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
ZEODENT 113 (CAS 112926-00-8)	TWA	6 mg/m3	Total inhalable dust.
		2.4 mg/m3	Respirable dust.

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Sodium fluoride (CAS 7681-49-4)	TWA	2.5 mg/m3
SODIUM MONOFLUOROPHOSPHATE (CAS 10163-15-2)	TWA	2.5 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls No special ventilation requirements.

Individual protection measures, such as personal protective equipment

General information Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Follow all local regulations if personal protective equipment (PPE) is used in the workplace.

Eye/face protection Not normally needed. If contact is likely, safety glasses with side shields are recommended. (eg. EN 166) Eye wash fountain is recommended.

Skin protection

- Hand protection Not normally needed. For prolonged or repeated skin contact use suitable protective gloves. Select suitable chemical resistant protective gloves (EN 374) with a protective index 6 (>480min permeation time).

- Other Not normally needed. Wear suitable protective clothing as protection against splashing or contamination. (EN 14605 for splashes, EN ISO 13982 for dust).

Respiratory protection No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Where breathable aerosols/dust are formed, use suitable combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (eg. EN 14387).

Thermal hazards	Not available.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. For advice on suitable monitoring methods, seek guidance from a qualified environment, health and safety professional.
Environmental exposure controls	
Hazard guidance and control recommendations	Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Paste.Pump/tube.
Colour	Not available.
Odour	Not available.
Odour threshold	Not available.
pH	9 - 10
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 191 °C (> 375.8 °F) Closed cup (Estimation based on components).
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.
9.2. Other information	No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

SECTION 11: Toxicological information

General information	Health injuries are not known or expected under normal use.

Information on likely routes of exposure

Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	May cause an allergic skin reaction. Causes mild skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May be harmful if swallowed. Health injuries are not known or expected under normal use.
Symptoms	None known. Direct contact with eyes may cause temporary irritation.

11.1. Information on toxicological effects

Acute toxicity	May be harmful if swallowed. Health injuries are not known or expected under normal use.

Components	Species	Test results
BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)		
Acute		
Oral		
LD50	Rat	2 g/kg
Calcium carbonate (CAS 471-34-1)		
Acute		
Oral		
LD50	Rat	6450 mg/kg
CARBOXYMETHYLCELLULOSE (CAS 9000-11-7)		
Acute		
Oral		
LD	Rat	> 5 g/kg
CITRIC ACID ANHYDROUS (CAS 77-92-9)		
Acute		
Oral		
LD50	Rat	3000 mg/kg
COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)		
Acute		
Oral		
LD50	Mouse	> 2000 mg/kg
CORNMINT OIL TERPENELESS (CAS 68917-18-0)		
Oral		
LD50	Rat	1240 mg/kg
DODECYL SODIUM SULFATE (CAS 151-21-3)		
Acute		
Oral		
LD50	Rat	1288 mg/kg
D-PANTHENOL (CAS 81-13-0)		
Acute		
Oral		
LD50	Mouse	15 g/kg
Eucalyptol (CAS 470-82-6)		
Acute		
Oral		
LD50	Rat	2480 mg/kg
GLYCERIN (CAS 56-81-5)		
Acute		
Oral		
LD50	Rat	> 2000 mg/kg
L-MENTHOL (CAS 2216-51-5)		
Acute		
Oral		
LD50	Rat	3300 mg/kg

Components	Species	Test results
PEPPERMINT OIL (CAS 8006-90-4)		
Acute		
Oral		
LD50	Rat	2426 mg/kg
Potassium chloride (CAS 7447-40-7)		
Acute		
Oral		
LD50	Rat	2600 mg/kg
POTASSIUM PYROPHOSPHATE, ANHYDROUS (CAS 7320-34-5)		
Acute		
Dermal		
LD50	Rabbit	> 4640 mg/kg
Oral		
LD50	Rat	4640 mg/kg
PROPYL PARABEN (CAS 94-13-3)		
Acute		
Oral		
LD50	Rat	> 2000 mg/kg
SENSODYNE FLAVOUR PREMIX IMX U4305		
Acute		
Oral		
LD50	Rat	> 2000 mg/kg
SODIUM BENZOATE (CAS 532-32-1)		
Acute		
Oral		
LD50	Rat	2000 mg/kg
SODIUM BICARBONATE (CAS 144-55-8)		
Acute		
Oral		
LD50	Rat	7300 mg/kg
SODIUM HYDROXIDE (CAS 1310-73-2)		
Acute		
Dermal		
LD50	Rabbit	1350 mg/kg
Oral		
LD50	Rat	104 - 340 mg/kg
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)		
Acute		
Oral		
LD50	Rat	3120 mg/kg
SPEARMINT 21407		
Acute		
Oral		
LD50	Rat	> 2000 mg/kg
SUCRALOSE (CAS 56038-13-2)		
Acute		
Oral		
LD50	Rat	10 g/kg
Titanium dioxide (CAS 13463-67-7)		
Acute		
Inhalation		
LC50	Rat	6820 mcg/m3
Oral		
LD50	Rat	> 24 g/kg

Components	Species	Test results
Chronic		
Inhalation		
LOEC	Rat	8.6 mg/m3, 1 years TiO2 accumulated in interstitial macrophages, aggregated interstitial cells and particle laden macrophrages in lymphoid tissue.
NOAEC	Rat	250 mg/m3, 2 years Highest dose
		5 mg/m3, 24 months
Subacute		
Inhalation		
LOEL	Rat	0.1 - 35 mg/m3, 4 weeks Mild macrophage hyperplasia, no change in bronchio-alveolar lavage fluid.
NOAEC	Guinea pig	26 mg/m3, 3 weeks No evidence of significant inflammation in respiratory tract.
Oral		
NOAEL	Rat	100000 ppm, 14 Day Dietary study, highest dose tested.
Subchronic		
Inhalation		
LOEC	Rat	3.2 - 20 mg/m3, 8 min Accumulation of TiO2 in macrophages and evidence of pulmonary inflammation.
Trisodium phosphate (CAS 7601-54-9)		
Acute		
Oral		
LD50	Rat	7.4 g/kg
XANTHAN GUM (CAS 11138-66-2)		
Acute		
Inhalation		
LC50	Rat	> 21 mg/l, 1 hour exposure
Oral		
LD50	Rat	> 5000 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Causes mild skin irritation.

Corrosivity

SODIUM HYDROXIDE	Literature search Result: Causes severe burns.
PEPPERMINT OIL	Literature search Result: Positive

Irritation Corrosion - Skin

Titanium dioxide	0, Literature data Result: Non-irritant Species: Guinea pig 0, Literature data Result: Non-irritant Species: Human Acute dermal irritation; OECD 404, Literature data Result: Non-irritant Species: Rabbit

Irritation Corrosion - Skin: P.I.I. value

SUCRALOSE	0
CITRIC ACID ANHYDROUS	OECD 404 Result: Mild to moderate irritant. Species: Rabbit

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Eye

CITRIC ACID ANHYDROUS	Acute ocular irritation; OECD 405 Result: Severe Irritant Species: Rabbit

Eye

SODIUM HYDROXIDE	Literature search Result: Causes severe burns.
PEPPERMINT OIL	Literature search Result: Mild/moderate Irritant
Titanium dioxide	OECD 405, Literature data Result: Mild irritant Species: Rabbit

Eye / Kay and Calandra class - Intact

SUCRALOSE	4

Respiratory sensitisation Not available.

Skin sensitisation Health injuries are not known or expected under normal use. May cause an allergic skin reaction.

Sensitisation

Titanium dioxide	5 % Optimisation Test, Literature data - Vehicle: petrolatum Result: negative Species: Guinea pig Test Duration: 48 hour exposure
PEPPERMINT OIL	Literature search Result: Positive
Titanium dioxide	Patch test, Literature data Result: negative Species: Human

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity

Titanium dioxide	Ames, Literature data Result: negative Micronucleus Assay in vitro, CHO cells, Literature data Result: negative Micronucleus Assay in vitro, cultured human peripheral lymphocytes, Literature data Result: Positive Syrian Hamster Embryo (SHE) cell transformation assay Result: negative WIL2-NS HPRT/ t-Thioguanidine - Human B-Cell lymphoblastoid, Literature data Result: Positive

Carcinogenicity Health injuries are not known or expected under normal use. Risk of cancer cannot be excluded with prolonged exposure. Contains a material (Titanium Dioxide and Butylated Hydroxyanisole) classified as a carcinogen by external agencies. High concentrations or doses administered over an extended period of time were required to produce adverse effects.

Titanium dioxide	0.5 mg/m3, Literature data Result: negative Species: Rat Test Duration: 24 months 0.72 - 14.8 mg/m3, Literature data Result: negative Species: Mouse 10 - 250 mg/m3, Dietary study - Literature data. Result: Inflammation at all doses with alveolar/bronchiolar adenoma at the highest concentration. Species: Rat Test Duration: 24 months 25000 - 50000 ppm, Dietary study Result: negative Species: Mouse 25000 - 50000 ppm, Dietary study - Literature data. Result: negative Species: Rat 7.2 - 14.8 mg/m3, Literature data Result: Lung tumour Species: Rat Test Duration: 24 months

IARC Monographs. Overall Evaluation of Carcinogenicity

BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)	2B Possibly carcinogenic to humans.
BUTYLATED HYDROXYTOLUENE (BHT) (CAS 128-37-0)	3 Not classifiable as to carcinogenicity to humans.
Quartz (CAS 14808-60-7)	1 Carcinogenic to humans.
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)	3 Not classifiable as to carcinogenicity to humans.
Silicon dioxide (CAS 7631-86-9)	3 Not classifiable as to carcinogenicity to humans.

Sodium fluoride (CAS 7681-49-4)	3 Not classifiable as to carcinogenicity to humans.
TIN (II) FLUORIDE (CAS 7783-47-3)	3 Not classifiable as to carcinogenicity to humans.
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure None known.

Specific target organ toxicity - repeated exposure None known.

Aspiration hazard Not available.

Mixture versus substance information No information available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity Contains a substance which causes risk of hazardous effects to the environment.

Components		Species	Test results
BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)			
Aquatic			
Acute			
Fish	EC50	Orange-red killfish (Adult Oryzias latipes)	2.5 - 5.3 mg/l, 48 hours Static test
Calcium carbonate (CAS 471-34-1)			
Aquatic			
Fish	LC50	Western mosquitofish (Gambusia affinis)	> 56000 mg/l, 24 hours
CARBOXYMETHYLCELLULOSE (CAS 9000-11-7)			
Acute			
	IC50	Activated sludge	> 1000 mg/l, 3 hours
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	> 100 mg/l, 48 hours Static test
	NOEC	Water flea (Daphnia magna)	100 mg/l, 48 hours Static test
Fish	EC50	Rainbow trout (Adult Oncorhyncus mykiss)	> 20000 mg/l, 96 hours Static test
CITRIC ACID ANHYDROUS (CAS 77-92-9)			
Aquatic			
Acute			
Algae	NOEC	Green algae (Scenedesmus quadricauda)	425 mg/l, 8 days Static Test
Crustacea	EC50	Water flea (Daphnia magna)	120 mg/l, 72 hours Static test
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	1516 mg/l, 96 hours Static test
		Golden ide/orfe (Adult Leuciscus idus)	440 - 760 mg/l, 96 hours Static test
COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)			
Aquatic			
Acute			
Algae	EC50	Green algae (Scenedesmus subspicatus)	0.55 mg/l, 96 hours
	NOEC	Green algae (Scenedesmus subspicatus)	0.09 mg/l, 96 hours
Crustacea	EC50	Water flea (Daphnia magna)	6.5 mg/l, 48 hours
	NOEC	Water flea (Daphnia magna)	1.6 mg/l, 48 hours
Fish	EC50	Zebra fish (Adult Brachydanio rerio)	2 mg/l, 96 hours semi-static test conditions
	NOEC	Zebra fish (Adult Brachydanio rerio)	1.7 mg/l, 96 hours semi-static test conditions
Microtox	MIC	Pseudomonas	> 3000 mg/l, 16 hours

Components		Species	Test results
Chronic			
Crustacea	LOEC	Water flea (Daphnia magna)	3.6 mg/l, 21 days
	NOEC	Water flea (Daphnia magna)	0.9 mg/l, 21 days
DODECYL SODIUM SULFATE (CAS 151-21-3)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	5.4 mg/l, 48 hours Static test
Fish	EC50	Rainbow trout (Adult Oncorhyncus mykiss)	4.6 mg/l, 96 hours Flow-through test
Chronic			
Algae	NOEC	Green algae (Desmodesmus subspicatus)	30 mg/l, 72 hours
Crustacea	NOEC	Ceriodaphnia dubia	0.88 mg/l, 7 days Flow-though Test
Fish	NOEC	Fathead minnow (Pimephales promelas)	3.8 mg/l, 28 days Flow-through test
Eucalyptol (CAS 470-82-6)			
Aquatic			
Acute			
Fish	EC50	Fathead minnow (Adult Pimephales promelas)	102 mg/l, 96 hours Flow-through test
L-MENTHOL (CAS 2216-51-5)			
Aquatic			
Acute			
Algae	EC50	Green algae (Desmodesmus subspicatus)	21.4 mg/l, 72 hours OECD 201
Crustacea	EC50	Water flea (Daphnia magna)	37.7 mg/l, 24 hours OECD 202
Fish	LC50	Zebra danio (Danio rerio)	15.6 mg/l, 96 hours EU Method C.1
Chronic			
Algae	NOEC	Green algae (Desmodesmus subspicatus)	9.65 mg/l, 72 hours OECD 201
Potassium chloride (CAS 7447-40-7)			
Aquatic			
Acute			
Algae	NOEC	Green algae (Chlorella vulgaris)	600 mg/l, 4 months
Crustacea	EC50	Water flea (Daphnia magna)	83 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	951 mg/l, 96 hours Static test
		Channel catfish (Adult Ictalurus punctatus)	720 mg/l, 48 hours Static test
		Fathead minnow (Adult Pimephales promelas)	880 mg/l, 96 hours Static test
		Mosquito fish (Adult Gambusia affinis)	435 mg/l, 96 hours Static test
Potassium nitrate (CAS 7757-79-1)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	490 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	420 mg/l, 96 hours Static test
		Guppy (Juvenile Poecilia reticulata)	180 mg/l, 96 hours Static test
		Mosquito fish (Adult Gambusia affinis)	22.5 mg/l, 96 hours Static test
Silicon dioxide (CAS 7631-86-9)			
Aquatic			
Acute			
Algae	EC50	Green algae (Selenastrum capricornutum)	440 mg/l, 72 hours

Components		Species	Test results
	NOEC	Green algae (Selenastrum capricornutum)	60 mg/l, 72 hours
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 24 hours Static test
Fish	EC50	Common carp (Juvenile Cyprinus carpio)	> 10000 mg/l, 72 hours
		Zebra fish (Adult Brachydanio rerio)	5000 mg/l, 96 hours Static test
Microtox	EC50	Microtox	8700 mg/l, 15 minutes
SODIUM BENZOATE (CAS 532-32-1)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	> 100 mg/l, 96 hours Static test
Fish	EC50	Fathead minnow (Juvenile Pimephales promelas)	484 mg/l, 96 hours Flow-through test
SODIUM BICARBONATE (CAS 144-55-8)			
Aquatic			
Acute			
Algae	EC50	Algae (Nitscheria linearis)	650 mg/l, 5 days
Crustacea	EC50	Water flea (Daphnia magna)	2350 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	8250 - 9000 mg/l, 96 hours Static test
		Mosquito fish (Adult Gambusia affinis)	7550 mg/l, 96 hours Static test
Sodium fluoride (CAS 7681-49-4)			
Acute			
	IC50	Activated sludge	2930 mg/l, 3 hours
Aquatic			
Acute			
Algae	EC50	Green algae (Selenastrum capricornutum)	272 mg/l, 96 hours
Crustacea	EC50	Water flea (Daphnia magna)	340 mg/l, 48 hours Static test
Fish	EC50	Fathead minnow (Juvenile Pimephales promelas)	180 mg/l, 96 hours Static renewal test
		Mosquito fish (Adult Gambusia affinis)	418 mg/l, 96 hours Static test
		Rainbow trout (Juvenile Oncorhyncus mykiss)	108 mg/l, 96 hours Static test
SODIUM HYDROXIDE (CAS 1310-73-2)			
Aquatic			
Acute			
Fish	EC50	Mosquito fish (Adult Gambusia affinis)	125 mg/l, 96 hours Static test
		Rainbow trout (Adult Oncorhyncus mykiss)	45.4 mg/l, 96 hours Static test
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)			
Acute			
	IC50	Activated sludge	> 1000 mg/l, 3 hours
Aquatic			
Acute			
Algae	EC50	Algae	60 - 120 mg/l
Crustacea	EC50	Water flea (Daphnia magna)	1089 mg/l, 50 hours
Fish	EC50	Golden ide/orfe (Adult Leuciscus idus)	1650 mg/l, 48 hours
		Orange-red killfish (Adult Oryzias latipes)	590 mg/l, 48 hours Static test
SUCRALOSE (CAS 56038-13-2)			
Acute			
	IC50	Activated sludge	> 1000 mg/l, 3 hours

Components		Species	Test results
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	> 100 mg/l, 48 hours Static test
	NOEC	Water flea (Daphnia magna)	100 mg/l, 48 hours Static test
Titanium dioxide (CAS 13463-67-7)			
Aquatic			
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours Static test
TOCOPHERYL ACETATE (CAS 7695-91-2)			
Aquatic			
Acute			
Algae	EC50	Green algae (Selenastrum capricornutum)	> 25.5 mg/l, 72 hours
	NOEC	Green algae (Selenastrum capricornutum)	25.5 mg/l, 72 hours
Fish	EC50	Rainbow trout (Adult Oncorhyncus mykiss)	> 91.1 mg/l, 96 hours
	NOEC	Rainbow trout (Adult Oncorhyncus mykiss)	91.1 mg/l, 96 hours
XANTHAN GUM (CAS 11138-66-2)			
Aquatic			
Acute			
Fish	EC50	Rainbow trout (Adult Oncorhyncus mykiss)	420 mg/l, 96 hours Static test
ZINC CITRATE (CAS 546-46-3)			
Aquatic			
Acute			
Algae	EC50	Green algae (Selenastrum capricornutum)	0.13 mg/l, 24 hours Static test
Crustacea	EC50	Water flea (Daphnia magna)	0.59 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	30.73 mg/l, 96 hours Static test
		Fathead minnow (Adult Pimephales promelas)	2.09 mg/l, 96 hours Static renewal test
		Mosquito fish (Adult Gambusia affinis)	439 mg/l, 96 hours Static test
		Rainbow trout (Adult Oncorhyncus mykiss)	2.1 mg/l, 96 hours Flow-through test

* Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability No data is available on the degradability of this product.

Photolysis

Half-life (Photolysis-atmospheric)

BUTYLATED HYDROXYANISOLE	10.7 Hours Estimated
Eucalyptol	1.4 Days Estimated
L-MENTHOL	16 Hours Estimated

Biodegradability

Percent degradation (Aerobic biodegradation-inherent)

CARBOXYMETHYLCELLULOSE	7 %, 28 days Zahn-Wellens, Activated sludge
CITRIC ACID ANHYDROUS	98 %, 2 days Modified Zahn-Wellens, Activated sludge
COCOAMIDOPROPYL BETAINE	97 %, 28 days Modified Zahn-Wellens, DOC removal., Activated sludge 99 %, 28 days Modified Zahn-Wellens, DOC removal., Activated sludge
SUCRALOSE	1 %, 28 days Modified Zahn-Wellens, Activated sludge
TOCOPHERYL ACETATE	84 %, 28 days Modified MITI (II) Test.

Percent degradation (Aerobic biodegradation-ready)

COCOAMIDOPROPYL BETAINE	100 %, 20 Days Modified Sturm test., Activated sludge

Biodegradability

Percent degradation (Aerobic biodegradation-ready)

COCOAMIDOPROPYL BETAINE	84 %, 30 days Closed Bottle test, Activated sludge
DODECYL SODIUM SULFATE	95 % OECD 301 B
L-MENTHOL	0 %, 28 days
SODIUM BENZOATE	100 %, 28 days Modified OECD Screening Test (OECD 301E), Sea water 90 %, 7 days Modified Sturm test., Activated sludge
TOCOPHERYL ACETATE	17 %, 28 days Manometric Respirometry Test

Percent degradation (Anaerobic biodegradation)

SODIUM BENZOATE	93 %, 7 days Other degradation test system, Mixed Residential/Industrial

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

DODECYL SODIUM SULFATE	1.6
Eucalyptol	2.74
GLYCERIN	-1.76
L-MENTHOL	3.3
PROPYL PARABEN	3.04
SODIUM BENZOATE	1.89
TOCOPHERYL ACETATE	12.2 (Calculated).

Bioconcentration factor (BCF)

L-MENTHOL	1 - 15 Measured, Cyprinus carpio, carp
Sodium fluoride	2.3 Measured
ZINC CITRATE	> 1000 Measured

12.4. Mobility in soil

Adsorption

Soil/sediment sorption - log Koc

BUTYLATED HYDROXYANISOLE	3.14 Calculated
L-MENTHOL	3.18 Estimated
SODIUM BENZOATE	1.16 Calculated

Mobility in general

Volatility

Henry's law

BUTYLATED HYDROXYANISOLE	0.000001 atm m3/mol Calculated
CITRIC ACID ANHYDROUS	< 0 atm m^3/mol Calculated, 25 °C
Eucalyptol	0.00011 atm m^3/mol, 25 C Estimated
L-MENTHOL	0.000015 atm m^3/mol Estimated

Distribution

Octanol/water distribution coefficient log DOW

PROPYL PARABEN	3.04

12.5. Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information Do not allow this material to drain into sewers/water supplies.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not established.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances

Potassium nitrate (CAS 7757-79-1)

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

Sodium fluoride (CAS 7681-49-4)
SODIUM HYDROXIDE (CAS 1310-73-2)

Directive 94/33/EC on the protection of young people at work, as amended

Sodium fluoride (CAS 7681-49-4)
SODIUM HYDROXIDE (CAS 1310-73-2)

Other regulations The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations Not available.

References GSK Hazard Determination

Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any H-statements not written out in full under Sections 2 to 15	H226 Flammable liquid and vapour. H228 Flammable solid. H272 May intensify fire; oxidiser. H301 Toxic if swallowed. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. 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. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. 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. H413 May cause long lasting harmful effects to aquatic life.
Revision information	Product and Company Identification: Synonyms
Training information	Follow training instructions when handling this material.
Disclaimer	The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.