

1. Identification

Product identifier

SENSODYNE TOOTHPASTE (WITH TITANIUM DIOXIDE)

Other means of identification

Synonyms

MFC 00299 SENSODYNE ORIGINAL TOOTHPASTE * MFC 00556 GENTLE WHITENING (UK) * MFC 00556 SENSODYNE GEL WHITENING * MFC 00600 SENSODYNE WHITENING – SE ASIA (BLACKNESS) * MFC 00645 SENSODYNE F * MFC 00858 PRONAMEL * MFC 00864 SENSODYNE TOTAL CARE * MFC 00925 PRONAMEL FRESH WAVE * MFC 00926 SENSODYNE PRONAMEL MINT ESSENCE, SENSODYNE PRONAMEL (CANADA) * IB 0853 SENSODYNE LOW ABRASION * IB 1674 GENTLE WHITENING * IB 1850 SENSODYNE WITH VITAMINS * IB 2078 SENSODYNE TOOTHPASTE ORIGINAL (US) * IB 2079 TARTAR CONTROL PLUS WHITENING * IB 1171 SENSODYNE-F BAKING SODA * MFC 01788 PRONAMEL (SE ASIA & AUSTRALIA) * MFC 01942 PRONAMEL FOR CHILDREN (EU) * MFC 02031 SENSODYNE PRONAMEL * MFC 02141 EXTRA WHITENING (REPLACEMENT MINT FLAVOR) * MFC 02284 PRONAMEL GENTLE WHITENING (EU) * MFC 02402 SENSODYNE PRONAMEL GENTLE WHITENING (US) * MFC 02559 FRESHMINT (INDIA) * MFC 03126 SENSODYNE FRESH MINT * MFC 03130 SENSODYNE FRESH MINT (GREEN 1150PPM F-) * MFC 03134 SENSODYNE EXTRA FRESH * MFC 03135 SENSODYNE EXTRA FRESH * MFC 03140 SENSODYNE EXTRA FRESH * MFC 03141 SENSODYNE EXTRA FRESH (COMPOSITE 1150PPM F-) * MFC 03145 SENSODYNE EXTRA FRESH * MFC 03145 SENSODYNE COMPLEX; SENSODYNE MULTICARE * MFC 03145 SENSODYNE TOTAL CARE - PROJECT BUZZ * MFC 03146 SENSODYNE TOTAL CARE - PROJECT BUZZ (1000PPM F-) * SENSODYNE MULTI-CARE (WHITE 1450PPM FLUORIDE) * MFC 03218 SENSODYNE FULL PROTECTION PLUS WHITENING * MFC 03219 SENSODYNE TARTAR CONTROL & WHITENING * MFC 03244 SENSODYNE REPAIR & PROTECT (THAILAND) * MFC 03449 SENSODYNE REPAIR AND PROTECT * MFC 03673 PRONAMEL EXTRA FRESHNESS (EU), 1426 PPM FLUORIDE * MFC 03673 PRONAMEL 1426 PPM FLUORIDE * MFC 03795 PRONAMEL ENAMEL CARE & GENTLE WHITENING * MFC 03925 PRONAMEL MULTI-ACTION * MFC 03941 SENSODYNE PROTECT AND REPAIR (USA) * MFC 03978 SENSODYNE COMPLETE PROTECTION * SENSODYNE REPAIR PROTECT US * MFC 04006 PRONAMEL (MISSISSIPPI FLAVOUR), 1450 PPM FLUORIDE * MFC 04008 PRONAMEL (OPTAMINT 134601 FLAVOUR), 1450 PPM FLUORIDE * MFC 04010 PRONAMEL GENTLE WHITENING TOOTHPASTE * MFC 04143 TRUE WHITE EXTRA FRESH (1100 PPM FLUORIDE) * MFC 04155 TRUE WHITE MINT (1100 PPM FLUORIDE) * MFC 04156 TRUE WHITE MINT * MFC 04254 PRONAMEL GENTLE WHITENING TOOTHPASTE 1000 PPM FLUORIDE * MFC 04276 TRUE WHITE EXTRA FRESH TOOTHPASTE * MFC 04281 PRONAMEL (SE ASIA & AUSTRALIA) WITH 1000 PPM FLUORIDE * MFC 04431 SENSODYNE TRUE WHITE MINT 1150 PPM FLUORIDE (PHASE 2.0) * MFC 04433 SENSODYNE TRUE WHITE MINT 1426 PPM FLUORIDE (PHASE 2.0) * MFC 04437 SENSODYNE TRUE WHITE EXTRA FRESH 1150 PPM FLUORIDE (PHASE 2.0) * MFC 04439 SENSODYNE TRUE WHITE EXTRA FRESH 1426 PPM FLUORIDE (PHASE 2.0) * MFC 04569 SENSODYNE REPAIR AND PROTECT WHITENING (1426PPM - PROJECT HYPERNOVA) * MFC 04582 SENSODYNE REPAIR AND PROTECT WHITENING (1040PPM - PROJECT HYPERNOVA) * MFC 04588 SENSODYNE TRUE WHITE MINT 928PPM FLUORIDE (PHASE 1.0) * MFC 04666 SENSODYNE TRUE WHITE SHINE (1426PPM F WITH GREEN PLEASURE OPTAMINT 721440) * MFC 04668 SENSODYNE WHITENING FOR INDIA (927 PPM F) PROJECT GLEAM * MFC04731 SENSODYNE DAILY PROTECTION (ACCESS) 927PPM FLUORIDE * MFC 20026 MULTICARE TOOTHPASTE * MFC 50076 SENSODYNE TARTAR CONTROL PLUS WHITENING * MFC 50156 FRESH IMPACT * SODIUM FLUORIDE AND/OR POTASSIUM NITRATE, FORMULATED PRODUCT

Recommended use

Oral Care

Recommended restrictions

No other uses are advised.

Manufacturer/Importer/Supplier/Distributor information**Manufacturer**

GlaxoSmithKline US
5 Moore Drive
Research Triangle Park, NC 27709 USA
US General Information (normal business hours): +1-888-825-5249

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EMERGENCY PHONE NUMBERS -
TRANSPORT EMERGENCIES:
US / International toll call +1 703 527 3887
available 24 hrs/7 days; multi-language response

2. Hazard(s) identification**Classified hazards**

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

Label elements

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

Hazard(s) not otherwise classified (HNOC)

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

3. Composition/information on ingredients**Mixtures**

Chemical name	Common name and synonyms	CAS number	%
GLYCERIN	GLYCEROL GLYCERIN ANHYDROUS GLYCERINE GLYCERITOL GLYCYL ALCOHOL 1,2,3-PROPANETRIOL PROPANETRIOL GLYROL GLYSANIN TRIHIDROXYPROPANE 1,2,3-TRIHIDROXYPROPANE OSMOGLYN	56-81-5	0 - 61.5
SODIUM BICARBONATE	BAKING SODA BICARBONATE OF SODA CARBONIC ACID MONOSODIUM SALT CARBONIC ACID SODIUM SALT (1:1) MONOSODIUM CARBONATE MONOSODIUM HYDROGEN CARBONATE RTECS VZ0950000 SODIUM ACID CARBONATE SODIUM HYDROGEN CARBONATE	144-55-8	0 - 25
SILICON DIOXIDE	SILICA SILICA GEL AMORPHOUS SILICA DIATOMACEOUS EARTH INFUSORIAL EARTH CAB-O-SIL M-5	7631-86-9	0 - 10.5
CALCIUM CARBONATE	CARBONIC ACID, CALCIUM SALT CALCIUM MONOCARBONATE PRECIPITATED CALCIUM CARBONATE CHALK	471-34-1	0 - 10
SILICA, AMORPHOUS HYDRATED	SILICON DIOXIDE HYDRATE SILICA, HYDRATE HYDRATED AMORPHOUS SILICA Zeodent 113 Zeodent 153	10279-57-9	0 - 10

Chemical name	Common name and synonyms	CAS number	%
TETRAPOTASSIUM PYROPHOSPHATE	Diphosphoric acid, tetrapotassium salt Tetrapotassium pyrophosphate POTASSIUM TETRAPYRO PHOSPHATE POTASSIUM PYROPHOSPHATE, ANHYDROUS POTASSIUM PYROPHOSPHATE	7320-34-5	0 - 5.5
POTASSIUM PYROPHOSPHATE, ANHYDROUS	TETRAPOTASSIUM PYROPHOSPHATE PYROPHOSPHORIC ACID, TETRAPOTASSIUM SALT DIPHOSPHORIC ACID, TETRAPOTASSIUM SALT TETRAPOTASSIUM DIPHOSPHATE POTASSIUM PYROPHOSPHATE, NORMAL POTASSIUM PHOSPHATE(K4P2O7)	7320-34-5	0 - 5.1
NOVAMIN 4516	CALCIUM SODIUM PHOSPHOSILICATE	359684-27-8	0 - 5
POTASSIUM NITRATE	NITRIC ACID POTASSIUM SALT NITRIC ACID POTASSIUM SALT (1:1)	7757-79-1	0 - 5
SODIUM TRIPOLYPHOSPHATE	TRIPHOSPHORIC ACID, PENTASODIUM SALT PENTASODIUM TRIPHOSPHATE PENTASODIUM TRIPOLYPHOSPHATE SODIUM TRIPHOSPHATE SODIUM POLYPHOSPHATE SODIUM PHOSPHATE	7758-29-4	0 - 5
COCOAMIDOPROPYL BETAINE	COCOAMIDO BETAINE N-(COCO ALKYL) AMIDO PROPYL DIMETHYL BETAINE COCONUT OIL AMIDOPROPYL BETAINE	61789-40-0	0 - 4
POTASSIUM CHLORIDE	POTASSIUM CHLORIDE (KCL) POTASSIUM MONOCHLORIDE SUPER K (SALT) POTASSIUM MURIATE	7447-40-7	0 - 3.75
POLYETHYLENE GLYCOL STEARATE	POLY(OXY-1,2-ETHANEDIYL), ALPHA-(1- OXOOCTADECYL)-OMEGA-HYDROXY- GLYCOLS, POLYETHYLENE, MONOSTEARATE POLYOXYL 8 STEARATE POLYETHYLENE GLYCOL 400 MONOSTEARATE POLYETHOXYLATED MONOSTEARATE POLYETHYLENE GLYCOL MONOSTEARATE POLYETHYLENE OXIDE MONOSTEARATE	9004-99-3	0 - 3
CARBOXYMETHYLCELLULOSE	CARBOXYMETHYLATED CELLULOSE PUL P CARBOXYMETHYL CELLULOSE ETHER CELLULOSE CARBOXYMETHYLATE CELLULOSEGLYCOLIC ACID GLYCOLIC ACID CELLULOSE ETHER CELLULOSE, CARBOXYMETHYL ETHER CELLULOSE CARBOXYMETHYLATE ETHE R CMC CARBOSE CM-CELLULOSE COLLORESINE THYLOSE CARBOXYMETHYL CELLULOSE OHS84039 RTECS FJ5700000	9000-11-7	0 - 2
DODECYL SODIUM SULFATE	DODECYL SULFATE, SODIUM SALT SODIUM LAURYL SULPHATE LAURYL SULFATE SODIUM SALT	151-21-3	0 - 2
ZINC CITRATE		546-46-3	0 - 2
FLAVOUR CONFIDENT WHITE 509321		Unassigned	0 - 1.4

Chemical name	Common name and synonyms	CAS number	%
OPTAMINT FLAVOUR		Unassigned	0 - 1.3
AQUAFRESH SENSITIVE FLAVOR		Mixture	0 - 1.25
CASSIOPEE BREEZE 509087T			0 - 1.25
FLAVOR OIL #261		Mixture	0 - 1.2
NOVAMINT 507306T		Unassigned	0 - 1.2
FLAVOUR BRIC II OPTAMINT 402653		Unassigned	0 - 1.1
FLAVOUR OIL TP10926 MISSISSIPPI		Unassigned	0 - 1.1
FLAVOUR OPTAMINT PROPOLIS 833315		Unassigned	0 - 1.1
FLAVOURING		Unassigned	0 - 1.1
Flavour Linen TP-16421	EAC15182/00	Unassigned	0 - 1.1
OPTAMINT INDIANA 888401		Unassigned	0 - 1.1
SENSIDREAM FLAVOR 508915T		Unassigned	0 - 1.1
TITANIUM DIOXIDE	TITANIUM OXIDE TITANIUM(IV) OXIDE TITANIUM PEROXIDE (TiO2) PIGMENT WHITE 6	13463-67-7	0.1 - 1
TP13980J ASWAN (JAP) FLAVOUR			0 - 1.1
NOVAMINT EXTRA SO FRESH FLAVOUR			0 - 1.03
ALUMINA	ALUMINA OXIDE ALUMINA ALUMINUM TRIOXIDE ALUMINIUM OXIDE ALUMINUM OXIDE	1344-28-1	0 - 1
FI PURE COOL 2 - 507780 T		Unassigned	0 - 1
FLAVOUR AN142232	AN142232 AN 142232 FLAVOR PROJECT BLACKNESS FLAVOUR RM2704 RM2712 SENSODYNE FLAVOUR D142232	Unassigned	0 - 1
FLAVOUR JIMMY JINX FS2014 (GIVAUDAN)		Unassigned	0 - 1
FLAVOUR PETER PIPER FS2037 (GIVAUDAN)		Unassigned	0 - 1
FLAVOUR SLEEPY ED FS 2019		Unassigned	0 - 1
OPTAMINT® MASK 1.5 COMPLETE 826473		Unassigned	0 - 1
PEPPERMINT OIL	OIL OF PEPPERMINT ESSENTIAL PEPPERMINT OIL PEPPERMINT LEAF OIL PEPPERMINT TERPENES	8006-90-4	0 - 1
QUARTZ	ALPHA-QUARTZ SILICON DIOXIDE SILICON DIOXIDE (QUARTZ) SILICA SILICIC ANHYDRIDE CRYSTALLINE SILICA	14808-60-7	0 - 1
TP 16430 JIAOLONG EC		Unassigned	0 - 1
DEVELOPMINT TP12995A			0 - 0.7
CORN MINT OIL TERPENELESS		68917-18-0	0 - 0.55

Chemical name	Common name and synonyms	CAS number	%
TIN (II) FLUORIDE	STANNOUS FLUORIDE TIN BIFLUORIDE	7783-47-3	0 - 0.5
EUCALYPTOL	1,8-CINEOL CINEOLE 1,8-CINEOLE 1,8-EPOXY-P-MENTHANE EUCALYPTOL EUCALYPTOLE EUKALYPTOL (CZECH) NCI-C56575 CAJEPUTOL 2- OXABICYCLO(2.2.2)OCTANE, 1,3,3- TRIMETHYL- 1,8-OXIDO-P-MENTHANE TERPAN	470-82-6	0 - 0.4
SODIUM FLUORIDE	SODIUM MONOFLUORIDE NATURAL VILLIAUMITE	7681-49-4	0 - 0.3152
FLAVOUR MAC 49 PEPPERMINT OIL			0 - 0.3
GALAXY FLAVOUR 508522 3T		Unassigned	0 - 0.3
SODIUM MONOFLUOROPHOSPHATE	DISODIUM FLUOROPHOSPHATE DISODIUM MONOFLUOROPHOSPHATE DISODIUM PHOSPHOROFUORIDATE SODIUM FLUOROPHOSPHATE (NA2PO3F) SODIUM PHOSPHOROFUORIDATE SODIUM PHOSPHOROFUORIDATE	10163-15-2	0 - 0.3
XANTHAN GUM	ACTIGUM CX 9 BIOPOLYMER XB-23 XANTHAN GUM BIOZAN R ENORFLO X FLOCON 1035 GALAXY XB KELFLO KELTROL (GUM) KELZAN KENTROL POLYSACCHARIDE B 1459 RHODOPOL 23 XANFLOOD XANTHOMONAS GUM	11138-66-2	0 - 0.3
L-MENTHOL	CYCLOHEXANOL, 5-METHYL-2-(1-METHYLETHYL)-, (1R-(1ALPHA,2BETA,5ALPHA))- (1R-(1ALPHA,2BETA,5ALPHA))-5-METHYL- 2-(1-METHYLETHYL)-CYCLOHEXANOL LEVOMENTHOL L-MENTHOL (L)-MENTHOL	2216-51-5	0 - 0.2
SODIUM HYDROXIDE	CAUSTIC SODA SODIUM HYDRATE	1310-73-2	0 - 0.2
TOCOPHERYL ACETATE	DL-ALPHA TOCOPHERYL ACETATE D-ALPHA TOCOPHERYL ACETATE VITAMIN E ACETATE	7695-91-2	0 - 0.2

Chemical name	Common name and synonyms	CAS number	%
TRISODIUM PHOSPHATE, DODECAHYDRATE	TRISODIUM PHOSPHATE SODIUM PHOSPHATE TRIBASIC DODECAHYDRATE SODIUM PHOSPHATE, TRIBASIC 12-HYDRATE PHOSPHORIC ACID, TRISODIUM SALT, DODECAHYDRATE PHOSPHATE DODECAHYDRATE TRISODIUM PHOSPHATE (NA ₃ PO ₄ . 12H ₂ O) TRISODIUM ORTHOPHOSPHATE TSP STCC 4966383 SODIUM ORTHOPHOSPHATE DODECAHYDRATE SODIUM PHOSPHATE, TRIBASIC TRISODIUM ORTHOPHOSPHATE DODECAHYDRATE TRISODIUM PHOSPHATE DODECAHYDRATE (NA ₃ PO ₄ .12H ₂ O) SODIUM PHOSPHATE (NA ₃ PO ₄) DODECAHYDRATE TRISODIUM PHOSPHATE DODECHYDRAT E SODIUM ORTHOPHOSPHATE, TRIBASIC DODECAHYDRATE H ₃ O ₄ P.12H ₂ O.3NA OHS24500 RTECS TC9575000	10101-89-0	0 - 0.2
ACESULFAME K	1,2,3-OXATHIAZIN-4(3H)-ONE, 6-METHYL-, 2,2-DIOXIDE, POTASSIUM SALT (9CI) ACESULFAM	55589-62-3	< 0.1
CITRIC ACID ANHYDROUS	BETA-HYDROXYTRICARBALLYLIC ACID ANHYDROUS CITRIC ACID 2-HYDROXY-1,2,3-PROPANETRICARBOXYLIC ACID CITIRIC ACID	77-92-9	0 - 0.1
D-PANTHENOL	BUTANAMIDE, 2,4-DIHYDROXY-N-(3-HYDROXYPROPYL)-3,3-DIMETHYL, (R)-(R)-2,4-DIHYDROXY-N-(3-HYDROXYPROPYL)-3,3-DIMETHYL-BUTANAMIDE BUTYRAMIDE, 2,4-DIHYDROXY-N-(3-HYDROXYPROPYL)-3,3-DIMETHYL-, D-(+)-D-(+)-2,4-DIHYDROXY-N-(3-HYDROXYPROPYL)-3,3-DIMETYL-BUTYRAMIDE DEXPANTHENOL D(+)-PANTHENOL PANTOTHENOL D-PANTOTHENOL D-PANTOTHENYL ALCOHOL D(+)-PANTOTHENYL ALCOHOL PANTHODERM PANTHENOL GW709768X	81-13-0	0 - 0.1
FD AND C BLUE NO. 1 ALUMINUM LAKE	BENZENEMETHANAMINIUM, N-ETHYL-N-(4-((4-(ETHYL((3-SULFOPHENYL) METHYL) AMINO) PHENYL)(2-SULFOPHENYL) METHYLENE)-2,5-CYCLOHEXADIEN-1-YLIDENE) -3-SULFOHYDROXIDE, INNER SALT, ALUMINUM SALT C.I. 42090:2 C.I. FOOD BLUE 2:1 C.I. FOOD BLUE 2 ALUMINUM LAKE FD AND C BLUE NO.1 LAKE	68921-42-6	0 - 0.1

Chemical name	Common name and synonyms	CAS number	%
PROPYL PARABEN	PROPYL P-HYDROXYBENZOATE PROTABEN 4-HYDROXYBENZOIC ACID, PROPYL ESTER P-HYDROXYBENZOIC ACID, PROPYL ESTER PASEPTOL PARASEPT PROPYL ASEPTOFORM PROPYL P-OXYBENZOATE	94-13-3	0 - 0.1
SODIUM BENZOATE	BENZOIC ACID, SODIUM SALT BENZOATE OF SODA SODIUM BENZOIC ACID	532-32-1	0 - 0.1
SUCRALOSE	MICRONIZED SUCRALOSE POWDERED SUCRALOSE NEAT SUCRALOSE	56038-13-2	0 - 0.1
TRISODIUM PHOSPHATE	PHOSPHORIC ACID, TRISODIUM SALT PHOSPHORIC ACID SODIUM SALT (1:3) SODIUM PHOSPHATE SODIUM PHOSPHATE (NA3PO4) SODIUM PHOSPHATE, TRIBASIC SODIUM TERTIARY PHOSPHATE TRIBASIC SODIUM ORTHOPHOSPHATE TRIBASIC SODIUM PHOSPHATE TRISODIUM ORTHOPHOSPHATE TROMETE TSP TRISODIUM MONOPHOSPHATE, ANHYDROUS OHS24480 RTECS TC9490000	7601-54-9	0 - 0.1
BUTYLATED HYDROXYANISOLE	BHA TENOX BHA (1,1-DIMETHYLETHYL)-4-METHOXYPHENOL TERT-BUTYL-4-METHOXYPHENOL ANTIOXYNE B BUTYLHYDROXYANISOLE TERT-BUTYLHYDROXYANISOLE EMBANOX PROTEX SUSTANE 1F SUSTAN 1F OHS03640 RTECS SL1945000 BUTYLHYDROXYANISOLE (BHA) T-BUTYL HYDROXY ANISOLE (BHA) TERT.-BUTYL-4-METHOXYPHENOL	25013-16-5	0 - 0.01

Other components below reportable levels

<70.0

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. 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 CENTER or doctor/physician if you feel unwell.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.

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

5. Fire-fighting measures

Suitable extinguishing media	Water. Carbon dioxide (CO ₂). Alcohol resistant foam. Dry powder.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	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.
General fire hazards	This product will support combustion at elevated temperatures.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch or walk through spilled material. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor 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. For waste disposal, see section 13 of the SDS. Never return spills to original containers for re-use.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

7. Handling and storage

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. Avoid breathing mist or vapor.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Keep away from heat, sparks and open flame.

8. Exposure controls/personal protection

Occupational exposure limits

GSK Components	Type	Value	Note
ACESULFAME K (CAS 55589-62-3)	OHC	1	
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/m ³	
COCOAMIDOPROPYL 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

GSK

Components	Type	Value	Note
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	

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
ALUMINA (CAS 1344-28-1)	PEL	5 mg/m3 15 mg/m3	Respirable fraction. Total dust.
CALCIUM CARBONATE (CAS 471-34-1)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
SODIUM FLUORIDE (CAS 7681-49-4)	PEL	2.5 mg/m3	
SODIUM HYDROXIDE (CAS 1310-73-2)	PEL	2 mg/m3	
SODIUM MONOFLUOROPHOSPHA TE (CAS 10163-15-2)	PEL	2.5 mg/m3	
TITANIUM DIOXIDE (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value	Form
SODIUM FLUORIDE (CAS 7681-49-4)	TWA	2.5 mg/m3	Dust.
SODIUM MONOFLUOROPHOSPHA TE (CAS 10163-15-2)	TWA	2.5 mg/m3	Dust.
TIN (II) FLUORIDE (CAS 7783-47-3)	TWA	2.5 mg/m3	Dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
QUARTZ (CAS 14808-60-7)	TWA	0.3 mg/m3 0.1 mg/m3 2.4 millions of particle	Total dust. Respirable. Respirable.
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)	TWA	0.8 mg/m3	
		20 millions of particle	
SILICON DIOXIDE (CAS 7631-86-9)	TWA	0.8 mg/m3	

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
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20 mppcf

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
ALUMINA (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
FD AND C BLUE NO. 1	TWA	1 mg/m3	Respirable fraction.
ALUMINUM LAKE (CAS 68921-42-6)	TWA	0.025 mg/m3	Respirable fraction.
QUARTZ (CAS 14808-60-7)	TWA	2.5 mg/m3	
SODIUM FLUORIDE (CAS 7681-49-4)	Ceiling	2 mg/m3	
SODIUM HYDROXIDE (CAS 1310-73-2)	TWA	2.5 mg/m3	
SODIUM MONOFLUOROPHOSPHATE (CAS 10163-15-2)	TWA	10 mg/m3	
TITANIUM DIOXIDE (CAS 13463-67-7)			

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
CALCIUM CARBONATE (CAS 471-34-1)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
FD AND C BLUE NO. 1	TWA	2 mg/m3	
ALUMINUM LAKE (CAS 68921-42-6)	TWA	0.05 mg/m3	Respirable dust.
QUARTZ (CAS 14808-60-7)	TWA	6 mg/m3	
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)	TWA	6 mg/m3	
SILICON DIOXIDE (CAS 7631-86-9)	TWA	2.5 mg/m3	
SODIUM FLUORIDE (CAS 7681-49-4)	Ceiling	2 mg/m3	
SODIUM HYDROXIDE (CAS 1310-73-2)	TWA	2.5 mg/m3	
SODIUM MONOFLUOROPHOSPHATE (CAS 10163-15-2)			

US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
TRISODIUM PHOSPHATE (CAS 7601-54-9)	STEL	5 mg/m3
TRISODIUM PHOSPHATE, DODECAHYDRATE (CAS 10101-89-0)	STEL	5 mg/m3

Biological limit values
ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
SODIUM FLUORIDE (CAS 7681-49-4)	3 mg/l	Fluoride	Urine	*
	2 mg/l	Fluoride	Urine	*
SODIUM MONOFLUOROPHOSPHATE (CAS 10163-15-2)	3 mg/l	Fluoride	Urine	*
	2 mg/l	Fluoride	Urine	*
TIN (II) FLUORIDE (CAS 7783-47-3)	3 mg/l	Fluoride	Urine	*
	2 mg/l	Fluoride	Urine	*

* - For sampling details, please see the source document.

Appropriate engineering controls	No special ventilation requirements.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Not normally needed. If contact is likely, safety glasses with side shields are recommended. Eye wash fountain is recommended.
Skin protection	
Hand protection	Not normally needed. For prolonged or repeated skin contact use suitable protective gloves.
Other	Not normally needed. Wear suitable protective clothing as protection against splashing or contamination.
Respiratory protection	No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
Thermal hazards	Not available.
General hygiene considerations	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.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Paste.Pump/tube.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
pH	9 - 10
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 375.8 °F (> 191 °C) 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.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.

Possibility of hazardous reactions	Not available.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

11. Toxicological information

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 related to the physical, chemical and toxicological characteristics

None known. Direct contact with eyes may cause temporary irritation.

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
ACESULFAME K (CAS 55589-62-3)		
<u>Acute</u>		
Oral		
LD50	Rat	> 2000 mg/kg
BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)		
<u>Acute</u>		
Oral		
LD50	Rat	2 g/kg
CALCIUM CARBONATE (CAS 471-34-1)		
<u>Acute</u>		
Oral		
LD50	Rat	6450 mg/kg
CARBOXYMETHYLCELLULOSE (CAS 9000-11-7)		
<u>Acute</u>		
Oral		
LD	Rat	> 5 g/kg
CITRIC ACID ANHYDROUS (CAS 77-92-9)		
<u>Acute</u>		
Oral		
LD50	Rat	3000 mg/kg
COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)		
<u>Acute</u>		
Oral		
LD50	Mouse	> 2000 mg/kg
DODECYL SODIUM SULFATE (CAS 151-21-3)		
<u>Acute</u>		
Oral		
LD50	Rat	1288 mg/kg
D-PANTHENOL (CAS 81-13-0)		
<u>Acute</u>		
Oral		
LD50	Mouse	15 g/kg

Components	Species	Test Results
EUCALYPTOL (CAS 470-82-6)		
<u>Acute</u>		
Oral		
LD50	Rat	2480 mg/kg
GLYCERIN (CAS 56-81-5)		
<u>Acute</u>		
Oral		
LD50	Rat	> 2000 mg/kg
L-MENTHOL (CAS 2216-51-5)		
<u>Acute</u>		
Oral		
LD50	Rat	3300 mg/kg
PEPPERMINT OIL (CAS 8006-90-4)		
<u>Acute</u>		
Oral		
LD50	Rat	2426 mg/kg
POTASSIUM CHLORIDE (CAS 7447-40-7)		
<u>Acute</u>		
Oral		
LD50	Rat	2600 mg/kg
POTASSIUM PYROPHOSPHATE, ANHYDROUS (CAS 7320-34-5)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 4640 mg/kg
Oral		
LD50	Rat	4640 mg/kg
PROPYL PARABEN (CAS 94-13-3)		
<u>Acute</u>		
Oral		
LD50	Rat	> 2000 mg/kg
SODIUM BICARBONATE (CAS 144-55-8)		
<u>Acute</u>		
Oral		
LD50	Rat	4220 mg/kg
SODIUM HYDROXIDE (CAS 1310-73-2)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	1350 mg/kg
Oral		
LD50	Rat	104 - 340 mg/kg
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)		
<u>Acute</u>		
Oral		
LD50	Rat	3120 mg/kg
SUCRALOSE (CAS 56038-13-2)		
<u>Acute</u>		
Oral		
LD50	Rat	10 g/kg

Components	Species	Test Results
TITANIUM DIOXIDE (CAS 13463-67-7)		
<u>Acute</u>		
Inhalation		
LC50	Rat	6820 mcg/m3
Oral		
LD50	Rat	> 24 g/kg
<u>Chronic</u>		
Inhalation		
LOEC	Rat	8.6 mg/m3, 1 years TiO2 accumulated in interstitial macrophages, aggregated interstitial cells and particle laden macrophages in lymphoid tissue.
NOAEC	Rat	250 mg/m3, 2 years Highest dose 5 mg/m3, 24 months
<u>Subacute</u>		
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.
<u>Subchronic</u>		
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)		
<u>Acute</u>		
Oral		
LD50	Rat	7.4 g/kg
XANTHAN GUM (CAS 11138-66-2)		
<u>Acute</u>		
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

Irritation Corrosion - Skin		
TITANIUM DIOXIDE		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		
Eye		
CITRIC ACID ANHYDROUS		Acute ocular irritation; OECD 405 Result: Severe Irritant Species: Rabbit
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 or skin sensitization		
Respiratory sensitization	Not available.	
Skin sensitization	Health injuries are not known or expected under normal use. May cause an allergic skin reaction.	
Sensitization		
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

Carcinogenicity**TITANIUM DIOXIDE**

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.
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.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)	Reasonably Anticipated to be a Human Carcinogen.
QUARTZ (CAS 14808-60-7)	Known To Be Human Carcinogen.

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.

12. Ecological information

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

Components		Species	Test Results
ACESULFAME K (CAS 55589-62-3)			
Aquatic			
<i>Acute</i>			
Crustacea	NOEC	Water flea (Daphnia magna)	> 1000 mg/l, 24 hours
Fish	EC50	Zebra fish (Adult Brachydanio rerio)	> 1000 mg/l, 96 hours
<i>Chronic</i>			
Other	LC50	Bacteria	> 10000 mg/l
BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)			
Aquatic			
<i>Acute</i>			
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)			
<i>Acute</i>			
	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
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
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-thought 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

Components		Species	Test Results
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
	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

Components		Species	Test Results
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
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

Components		Species	Test Results
	NOEC	Green algae (Selenastrum capricornutum)	25.5 mg/l, 72 hours
Fish	EC50	Rainbow trout (Adult Oncorhynchus mykiss)	> 91.1 mg/l, 96 hours
	NOEC	Rainbow trout (Adult Oncorhynchus mykiss)	91.1 mg/l, 96 hours
XANTHAN GUM (CAS 11138-66-2)			
Aquatic			
<i>Acute</i>			
Fish	EC50	Rainbow trout (Adult Oncorhynchus mykiss)	420 mg/l, 96 hours Static test
ZINC CITRATE (CAS 546-46-3)			
Aquatic			
<i>Acute</i>			
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 Oncorhynchus mykiss)	2.1 mg/l, 96 hours Flow-through test

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

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)

ACESULFAME K	0 - 8 %, 25 days Batch activated sludge (BAS), Activated sludge
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
	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
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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

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 m ³ /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
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Other adverse effects Not available.

13. Disposal considerations

Disposal instructions	Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	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.

14. Transport information**DOT**

Not regulated as a dangerous good.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

15. Regulatory information**US federal regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

SODIUM FLUORIDE (CAS 7681-49-4)	Listed.
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SODIUM HYDROXIDE (CAS 1310-73-2)	Listed.
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)	Listed.
TRISODIUM PHOSPHATE (CAS 7601-54-9)	Listed.
TRISODIUM PHOSPHATE, DODECAHYDRATE (CAS 10101-89-0)	Listed.
ZINC CITRATE (CAS 546-46-3)	Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
POTASSIUM NITRATE	7757-79-1	0 - 5
ZINC CITRATE	546-46-3	0 - 2

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

GLYCERIN (CAS 56-81-5)	Other Flavoring Substances with OSHA PEL's
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US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)
 PROPYL PARABEN (CAS 94-13-3)
 QUARTZ (CAS 14808-60-7)
 SODIUM HYDROXIDE (CAS 1310-73-2)
 TITANIUM DIOXIDE (CAS 13463-67-7)

US. Massachusetts RTK - Substance List

ALUMINA (CAS 1344-28-1)
 BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)
 CALCIUM CARBONATE (CAS 471-34-1)
 GLYCERIN (CAS 56-81-5)
 POTASSIUM NITRATE (CAS 7757-79-1)
 QUARTZ (CAS 14808-60-7)
 SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)
 SILICON DIOXIDE (CAS 7631-86-9)
 SODIUM FLUORIDE (CAS 7681-49-4)
 SODIUM HYDROXIDE (CAS 1310-73-2)
 SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)
 TITANIUM DIOXIDE (CAS 13463-67-7)
 TRISODIUM PHOSPHATE (CAS 7601-54-9)
 TRISODIUM PHOSPHATE, DODECAHYDRATE (CAS 10101-89-0)

US. New Jersey Worker and Community Right-to-Know Act

ALUMINA (CAS 1344-28-1)
BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)
CALCIUM CARBONATE (CAS 471-34-1)
GLYCERIN (CAS 56-81-5)
POTASSIUM NITRATE (CAS 7757-79-1)
QUARTZ (CAS 14808-60-7)
SILICON DIOXIDE (CAS 7631-86-9)
SODIUM FLUORIDE (CAS 7681-49-4)
SODIUM HYDROXIDE (CAS 1310-73-2)
SODIUM MONOFLUOROPHOSPHATE (CAS 10163-15-2)
TIN (II) FLUORIDE (CAS 7783-47-3)
TITANIUM DIOXIDE (CAS 13463-67-7)
TRISODIUM PHOSPHATE (CAS 7601-54-9)
TRISODIUM PHOSPHATE, DODECAHYDRATE (CAS 10101-89-0)
ZINC CITRATE (CAS 546-46-3)

US. Pennsylvania Worker and Community Right-to-Know Law

ALUMINA (CAS 1344-28-1)
CALCIUM CARBONATE (CAS 471-34-1)
FD AND C BLUE NO. 1 ALUMINUM LAKE (CAS 68921-42-6)
GLYCERIN (CAS 56-81-5)
POTASSIUM NITRATE (CAS 7757-79-1)
QUARTZ (CAS 14808-60-7)
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)
SILICON DIOXIDE (CAS 7631-86-9)
SODIUM FLUORIDE (CAS 7681-49-4)
SODIUM HYDROXIDE (CAS 1310-73-2)
SODIUM MONOFLUOROPHOSPHATE (CAS 10163-15-2)
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)
TIN (II) FLUORIDE (CAS 7783-47-3)
TITANIUM DIOXIDE (CAS 13463-67-7)
TRISODIUM PHOSPHATE (CAS 7601-54-9)
TRISODIUM PHOSPHATE, DODECAHYDRATE (CAS 10101-89-0)

US. Rhode Island RTK

ALUMINA (CAS 1344-28-1)
POTASSIUM NITRATE (CAS 7757-79-1)
SODIUM FLUORIDE (CAS 7681-49-4)
SODIUM HYDROXIDE (CAS 1310-73-2)
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)
TRISODIUM PHOSPHATE (CAS 7601-54-9)
TRISODIUM PHOSPHATE, DODECAHYDRATE (CAS 10101-89-0)
ZINC CITRATE (CAS 546-46-3)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

BUTYLATED HYDROXYANISOLE (CAS 25013-16-5)	Listed: January 1, 1990
QUARTZ (CAS 14808-60-7)	Listed: October 1, 1988
TITANIUM DIOXIDE (CAS 13463-67-7)	Listed: September 2, 2011

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	06-28-2013
Revision date	03-03-2016
Version #	27
Further information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 2 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 1 Instability: 0
References	GSK Hazard Determination
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.
Revision information	Product and Company Identification: Synonyms Composition / Information on Ingredients: Ingredients