

Agua Fresh Kids
Toothpaste

2-21-17

1. Identification

Product identifier

AQUAFRESH TOOTHPASTE

Other means of identification

Synonyms

MFC03157 ULTIMATE WHITENING * MFC03153 ULTIMATE * MFC02848 TRAINING FLUORIDE FREE * MFC04593 MULTI ACTION WHITENING * MFC04597 MULTI ACTION EXTRA FRESH * MFC00531 EXTREME CLEAN, SOUTH AFRICA * MFC00551 EXTREME CLEAN, JAPAN * MFC00869 EXTREME CLEAN WHITENING PURE BREATH / ODOL-MED 3 EXTREME * MFC01073 WHITE AND SHINE * MFC01254 NEW AQUAFRESH EXC2 * MFC01862 EXTREME CLEAN POLISHING ACTION STRIPED * MFC02356 AF3 FRESH 'N' MINTY * MFC02357 AF3 MILD 'N' MINTY STRIPED * MFC02372 ADVANCED * MFC02555 WHITE & SHINE HERBAL - STRIPED * MFC03083 WHITE N SHINE ORIGINAL BLUE MICA CORE * MFC03085 WHITE N SHINE HERBAL FRESH PALE GREEN MICA * MFC03086 MFC01274 WHITE N SHINE * MFC03214 BASIC WHITENING 1426PPM STRIPED PRODUCT * MFC03330, MFC03331, MFC03332, PASTE * MFC03333 STRIPED PASTE * MFC03499 AF3 MILD 'N' MINTY STRIPED PASTE FOR PUMPS * MFC03508 FRESH & MINTY STRIPED PASTE * MFC03512 MILD & MINTY (BUBBLE MINT) STRIPED PASTE * MFC03515 HERBAL (OPTAMINT) STRIPED PASTE * MFC03518 LEMON MINT STRIPED PASTE * MFC03522 MUSK MINT STRIPED PASTE * MFC03675 AND MFC04323 MULTI ACTIVE / ODOL-MED3 40 PLUS-STRIPED PRODUCT * MFC03718 AF3 FRESH 'N' MINTY WHITE CORE/ ODOL-MED3 REGULAR * MFC03720 & MFC04357 AF3 FRESH 'N' MINTY * MFC03721 AF3 MILD 'N' MINTY WHITE CORE/ MACLEANS COOLMINT * MFC03723 AF3 MILD 'N' MINTY STRIPED PASTE * MFC03726 HERBAL * MFC03735 AF3 FRESH 'N' MINTY / ODOL-MED3 REGULAR STRIPED PASTE FOR PUMP * MFC03896 SHINY WHITENING STRIPED PASTE (JAPAN) * MFC03969 WHITENING AND COMPLETE CARE (LATINA) * MFC04018 LIME MINT STRIPED (JAPAN) * MFC04068 HIGH DEFINITION WHITE ILLUMINATING MINT STRIPED * MFC04069 HIGH DEFINITION WHITE TINGLING MINT STRIPED * MFC04125 EXTREME CLEAN WHITENING FRESH BERRY MINT STRIPED PASTE (JAPAN) * MFC04193 HIGH DEFINITION WHITE ILLUMINATING MINT WHITE CORE 1426 PPM F * MFC04194 HIGH DEFINITION WHITE DARK BLUE GEL 1426 PPM F * MFC04195 HIGH DEFINITION WHITE AQUA GEL 1426 PPM F * MFC04196 HIGH DEFINITION WHITE TINGLING MINT WHITE CORE 1426 PPM F * MFC04197 HIGH DEFINITION WHITE GREEN GEL 1426 PPM F * MFC04241 COMPLETE CARE EXTRA FRESH * MFC04258 COMPLETE CARE STRIPED PRODUCT * MFC04262 MACLEANS MULTI ACTION WHITENING / COMPLETE CARE WHITENING * MFC04274 NEW JS STRIPED PASTE * MFC04312 ODOL-MED3 MINT STRIPED PASTE * MFC04316 AF3 FRESH 'N' MINTY / ODOL-MED3 REGULAR (GEL ONLY COMMON BASE) STRIPED PASTE * MFC04318 AF3 MILD 'N' MINTY STRIPED PASTE * MFC04320 HERBAL / ODOL-MED3 STRIPED PASTE * MFC04321 AF3 FRESH 'N' MINTY / ODOL-MED3 REGULAR * MFC04322 AF3 MILD 'N' MINTY (GEL ONLY COMMON BASE) * MFC04323 MULTI ACTIVE / ODOL-MED3 40 PLUS * MFC04359 AF3 FRESH & MINTY / ODOL-MED3 REGULAR * MFC04368 ODOL-MED3 MINT WHITE CORE / MACLEANS FRESHMINT * MFC04371 AF3 MILD & MINTY WHITE CORE / ODOL FLUORA * MFC04373 MILD & MINTY STRIPED * MFC04376 HERBAL STRIPED PRODUCT * MFC04377 AF3 FRESH & MINTY / ODOL-MED3 REGULAR STRIPED * MFC04378 CAVITY PROTECTION (1150 PPM F STRIPED PASTE) * MFC04379 EXTRA FRESH PLUS WHITENING (1150 PPM F STRIPED PASTE) * MFC04388 MACLEANS MULTI ACTION / COMPLETE CARE (1450 PPM) * MFC04458 SA MILD & MINTY * MFC04461 SA HERBAL * MFC04465 LEMON MINT * MFC04509 ODOL-MED3 ATEMKLAR / EISFRISCH STRIPED PRODUCT * MFC04593 MULTI ACTION WHITENING US * MFC04597 MULTI ACTION EXTRA FRESH US * MFC04605 INTENSE CLEAN/EXTREME CLEAN (DEEP ACTION) STRIPED PASTE * MFC04606 INTENSE CLEAN/EXTREME CLEAN (WHITENING) STRIPED PASTE * MFC12099 & MFC50090 FOR KIDS * MFC50092, MFC50093 & MFC50935 FLUORIDE PROTECTION AND FLOURIDE PROTECTION * MFC50154 SENSITIVE * MFC50167 EXTRA FRESH * MFC50489 ADVANCED WHITENING * TP-NS-0038/38 SOUTH AFRICA FRESH 'N' MINTY VARIANT (GLOBE) BLUE GEL * TP-ST-0016/16 SOUTH AFRICA FRESH 'N' MINTY VARIANT (GLOBE) * SODIUM FLUORIDE, 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

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

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	%
CALCIUM CARBONATE	CARBONIC ACID, CALCIUM SALT CALCIUM MONOCARBONATE PRECIPITATED CALCIUM CARBONATE CHALK	471-34-1	0 - <20.0
SILICON DIOXIDE	SILICA SILICA GEL AMORPHOUS SILICA DIATOMACEOUS EARTH INFUSORIAL EARTH CAB-O-SIL M-5	7631-86-9	0 - <14.0
SODIUM TRIPOLYPHOSPHATE	TRIPHOSPHORIC ACID, PENTASODIUM SALT PENTASODIUM TRIPHOSPHATE PENTASODIUM TRIPOLYPHOSPHATE SODIUM TRIPHOSPHATE SODIUM POLYPHOSPHATE SODIUM PHOSPHATE	7758-29-4	0 - 10.0
SIDENT		7631-86-9	0 - 5.0
PROPYLENE GLYCOL	1,2-PROPANEDIOL 1,2-DIHYDROXYPROPANE 2-HYDROXYPROPANOL ISOPROPYLENE GLYCOL METHYLETHYLENE GLYCOL METHYLETHYL GLYCOL MONOPROPYLENE GLYCOL 2,3-PROPANEDIOL ALPHA-PROPYLENE GLYCOL 1,2-PROPYLENE GLYCOL (RS)-1,2-PROPANEDIOL 1,2-(RS)-PROPANEDIOL 1,2-PROPANDIOL DL-1,2-PROPANEDIOL DL-PROPYLENE GLYCOL PROPANE-1,2-DIOL (PROPYLENE GLYCOL) PROPANE-1-2-DIOL PROPANEDIOL, 1,2-	57-55-6	1 - < 3

Chemical name	Common name and synonyms	CAS number	%
DODECYL SODIUM SULFATE	DODECYL SULFATE, SODIUM SALT SODIUM LAURYL SULPHATE LAURYL SULFATE SODIUM SALT	151-21-3	0 - <2.0
NOVAMINT EXTRA FLAVOR 509472T		Mixture	0 - <2.0
SODIUM LAURETH SULFATE	ALPHA-SULFO-OMEGA-(DODECYLOXY) POLY(OXY-1,2-ETHANEDIYL), SODIUM SALT GLYCOLS, POLYETHYLENE, MONO (HYDROGEN SULFATE), DODECYL ETHER, SODIUM SALT LAURETH SULPHATE SODIUM LAURYL ETHER SULFATE SODIUM SULFATE LAURYL ETHER SODIUM LAURETH SULPHATE	9004-82-4	0 - 2.0
TITANIUM DIOXIDE	TITANIUM OXIDE TITANIUM(IV) OXIDE TITANIUM PEROXIDE (TiO2) PIGMENT WHITE 6	13463-67-7	0 - 2
FLAVOUR FS 2115 MALACHITE		Unassigned	0 - <1.5
FLAVOUR FS 2170 JASPER (GIVAUDAN)		Unassigned	0 - <1.5
TP8938 LEMON/LIME BLAST FLAVOUR		Unassigned	0 - 1.5
FLAVOUR SCYROS FS2062		Unassigned	0 - 1.2
FLAVOUR TP 15994 JADE (GIVAUDAN)		Unassigned	0 - 1.2
NOVAMINT EXTRA SO FRESH FLAVOR 506944T		Unassigned	0 - 1.2
AQUAFRESH US CAVITY PROTECTION FLAVOR	COMET FS 1731	Mixture	0 - <1.0
COCOAMIDOPROPYL BETAINE	COCOAMIDO BETAINE N-(COCO ALKYL) AMIDO PROPYL DIMETHYL BETAINE COCONUT OIL AMIDOPROPYL BETAINE	61789-40-0	0 - <1.0
DRAGOCO BASE 9/692262		Unassigned	0 - <1.0
FLAVOR QUEST #FS0791 MINT		Unassigned	0 - <1.0
FLAVOUR FS 2264 JET EC		Unassigned	0 - < 1
FS 2268 TURBO EC		Unassigned	0 - 1.0
MINT FLAVOUR		Unassigned	0 - <1
NOVILLE FLAVOR #30377	AF-29	Unassigned	0 - <1.0
PEPPERMINT OIL	OIL OF PEPPERMINT ESSENTIAL PEPPERMINT OIL PEPPERMINT LEAF OIL PEPPERMINT TERPENES	8006-90-4	< 1
ZINC CHLORIDE	ZINC DICHLORIDE ZINC CHLORIDE, SOLID	7646-85-7	0 - 0.6
LIMONENE	CINEN ALPHA-LIMONENE	138-86-3	0 - <0.5
SODIUM FLUORIDE	SODIUM MONOFLUORIDE NATURAL VILLIAUMITE	7681-49-4	0 - <0.5
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 - <0.4

Material name: AQUAFRESH TOOTHPASTE

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Chemical name	Common name and synonyms	CAS number	%
FLAVOUR TP 16491 ORIENT		Unassigned	< 0.3
AMORPHOUS SYNTHETIC SILICA GEL	SILICA, GEL, PRECIPITATED, CRYSTALLINE-FREE SYNTHETIC CRYSTALLINE-FREE SILICA GEL CRYSTALLINE-FREE SILICA GEL PRECIPITATED SYNTHETIC AMORPHOUS SILICA SILICA SOL, PRECIPITATED, CRYSTALLINE-FREE SYNTHETIC AMORPHOUS SILICA, PRECIPITATED PRECIPITATED CRYSTALLINE-FREE SILICA SOL O2Si OHS20665 RTECS VV7315000 PERCIPITATED SILICA AND GEL PIIDIOKSIDI, SAOSTETTU SILICA (AMORPHOUS)-SILICA GEL SILICA - AMORPHOUS, GEL SILICA GEL, PRECIPITATED, CRYSTALLINE-FREE SILICA-AMORPHOUS, PRECIPITATED SILICA AND SILICA GEL SÍLICE AMORFA PRECIPITADA, SÍLICE GE L SÍLICE PRECIPITADA Y SÍLICE, GEL	112926-00-8	< 0.2
IFF 13561069	AF-30	Unassigned	0 - <0.2
MENTHOL	HEXAHYDROTHYMOL MENTHACAMPHOR MENTHOMENTHOL PEPPERMINT CAMPHOR NATURAL MENTHOL	89-78-1	< 0.2
ALPHA-PINENE		80-56-8	< 0.1
BETA-PINENE		127-91-3	< 0.1
CITRIC ACID ANHYDROUS	BETA-HYDROXYTRICARBALLYLIC ACID ANHYDROUS CITRIC ACID 2-HYDROXY-1,2,3- PROPANETRICARBOXYLIC ACID CITIRIC ACID	77-92-9	< 0.1
COPPER PHTHALOCYANINE	SICOMET BLUE D 74160 SICOMET BLUE CI 74160 PIGMENT BLUE 15	147-14-8	< 0.1
ISOPROPYLMETHYLPHENOL	ISOPROPYLMETHYLPHENOL IPMP ISOPROPYL METHYL PHENOL O-CYMEN-5-OL 3-METHYL-4-ISOPROPYLPHENOL ISOPROPYL CRESOLS 4-ISOPROPYL-M-CRESOL GW791006X	3228-02-2	< 0.1
METHYL ACETATE	METHYL ETHANOATE ACETIC ACID, METHYL ESTER DEVOTON TERETON C3H6O2 UN 1231 STCC 4908220 OHS14240 RTECS AI9100000 METHYL ACETIC ESTER GI147506X 822 (GW ACN)	79-20-9	< 0.1
OPTAMINT SYM- BASE-III 889113		Mixture	0 - 0.1

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Chemical name	Common name and synonyms	CAS number	%
SICOMET BLUE P CI 74160		147-14-8	< 0.1
VANILLIN	P-VANILLIN 4-HYDROXY-3-METHOXY BANZALDEHYDE	121-33-5	< 0.1

Other components below reportable levels

75 - < 80

*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 with plenty of soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. 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. Foam. Dry chemical powder. Carbon dioxide (CO2).
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	Wear suitable protective equipment.
Fire fighting equipment/instructions	Use standard firefighting procedures and consider the hazards of other involved materials.
Specific methods	Not established.
General fire hazards	Assume that this product is capable of sustaining combustion.

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. 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	Stop the flow of material, if this is without risk. Collect spillage. Do not allow material to contaminate ground water system. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Wear personal protective equipment. Observe good industrial hygiene practices. No special control measures required for the normal handling of this product. Normal room ventilation is expected to be adequate for routine handling of this product.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Room temperature - normal conditions.

8. Exposure controls/personal protection

Occupational exposure limits

GSK

Components

CITRIC ACID
ANHYDROUS (CAS
77-92-9)

Type

8 HR TWA

Value

5000 mcg/m3

Note

GSK Components	Type	Value	Note
	OHC	1	
COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)	OHC	1	PROVISIONAL
DODECYL SODIUM SULFATE (CAS 151-21-3)	OHC	2	
ISOPROPYLMETHYLPHENOL (CAS 3228-02-2)	OHC	3	>10 - <=100 mcg/m3 PROVISIONAL
		3	SKIN SENSITISER
LIMONENE (CAS 138-86-3)	OHC	3	SENSITISER
L-MENTHOL (CAS 2216-51-5)	OHC	1	SKIN SENSITISER
MENTHOL (CAS 89-78-1)	8 HR TWA	1000 mcg/m3	
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)	OHC	1	
TP8938 LEMON/LIME BLAST FLAVOUR	OHC	2	PROVISIONAL

U.S. - OSHA Components

Components	Type	Value
METHYL ACETATE (CAS 79-20-9)	PEL	610 mg/m3
	STEL	200 ppm 760 mg/m3 250 ppm
	TWA	610 mg/m3 200 ppm

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

Components	Type	Value	Form
CALCIUM CARBONATE (CAS 471-34-1)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
SODIUM FLUORIDE (CAS 7681-49-4)	PEL	2.5 mg/m3	
TITANIUM DIOXIDE (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
ZINC CHLORIDE (CAS 7646-85-7)	PEL	1 mg/m3	Fume.

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.

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

Components	Type	Value
AMORPHOUS SYNTHETIC SILICA GEL (CAS 112926-00-8)	TWA	0.8 mg/m3
		20 millions of particle
SIDENT (CAS 7631-86-9)	TWA	0.8 mg/m3 20 mppcf
SILICON DIOXIDE (CAS 7631-86-9)	TWA	0.8 mg/m3 20 mppcf

ACGIH**Components****Type****Value**METHYL ACETATE (CAS
79-20-9)

STEL

250 ppm

TWA

200 ppm

US. ACGIH Threshold Limit Values**Components****Type****Value****Form**ALPHA-PINENE (CAS
80-56-8)

TWA

20 ppm

BETA-PINENE (CAS
127-91-3)

TWA

20 ppm

SICOMET BLUE P CI
74160 (CAS 147-14-8)

TWA

1 mg/m3

Dust and mist.

0.2 mg/m3

Fume.

2.5 mg/m3

SODIUM FLUORIDE (CAS
7681-49-4)

TWA

TITANIUM DIOXIDE (CAS
13463-67-7)

TWA

10 mg/m3

ZINC CHLORIDE (CAS
7646-85-7)

STEL

2 mg/m3

Fume.

TWA

1 mg/m3

Fume.

U.S. - NIOSH**Components****Type****Value**METHYL ACETATE (CAS
79-20-9)

REL

610 mg/m3

STEL

200 ppm

760 mg/m3

250 ppm

US. NIOSH: Pocket Guide to Chemical Hazards**Components****Type****Value****Form**AMORPHOUS SYNTHETIC
SILICA GEL (CAS
112926-00-8)

TWA

6 mg/m3

CALCIUM CARBONATE
(CAS 471-34-1)

TWA

5 mg/m3

Respirable.

10 mg/m3

Total

COPPER
PTHALOCYANINE (CAS
147-14-8)

TWA

1 mg/m3

Dust and mist.

SICOMET BLUE P CI
74160 (CAS 147-14-8)

TWA

1 mg/m3

Dust and mist.

SIDENT (CAS 7631-86-9)

TWA

6 mg/m3

SILICON DIOXIDE (CAS
7631-86-9)

TWA

6 mg/m3

SODIUM FLUORIDE (CAS
7681-49-4)

TWA

2.5 mg/m3

ZINC CHLORIDE (CAS
7646-85-7)

STEL

2 mg/m3

Fume.

TWA

1 mg/m3

Fume.

US. AIHA Workplace Environmental Exposure Level (WEEL) Guides**Components****Type****Value****Form**

LIMONENE (CAS 138-86-3)

TWA

165.5 mg/m3

30 ppm

PROPYLENE GLYCOL
(CAS 57-55-6)

TWA

10 mg/m3

Aerosol.

VANILLIN (CAS 121-33-5)

TWA

10 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	*

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

Appropriate engineering controls No special ventilation requirements. General ventilation normally adequate.

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.

Skin protection**Hand protection**

Use personal protective equipment as required. Not normally needed. For prolonged or repeated skin contact use suitable protective gloves.

Other

Use personal protective equipment as required. Not normally needed. Wear suitable protective clothing as protection against splashing or contamination.

Respiratory protection

No personal respiratory protective equipment normally required. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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.

9. Physical and chemical properties**Appearance**

Physical state Liquid.

Form Paste.Pump/tube.

Color Not available.

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

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 Not available.
Chemical stability Material is stable under normal conditions.
Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.
Conditions to avoid None under normal conditions.
Incompatible materials Not available.
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 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
CALCIUM CARBONATE (CAS 471-34-1)		
<u>Acute</u>		
Oral		
LD50	Rat	6450 mg/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
COPPER PHTHALOCYANINE (CAS 147-14-8)		
<u>Acute</u>		
Oral		
LD50	Rat	> 15 g/kg
DODECYL SODIUM SULFATE (CAS 151-21-3)		
<u>Acute</u>		
Oral		
LD50	Rat	1288 mg/kg
ISOPROPYLMETHYLPHENOL (CAS 3228-02-2)		
<u>Acute</u>		
Oral		
LD50	Mouse	6280 mg/kg

Components	Species	Test Results
LIMONENE (CAS 138-86-3)		
<u>Acute</u>		
Oral		
LD50	Rat	4400 mg/kg
L-MENTHOL (CAS 2216-51-5)		
<u>Acute</u>		
Oral		
LD50	Rat	3300 mg/kg
MENTHOL (CAS 89-78-1)		
<u>Acute</u>		
Oral		
LD50	Rat	3200 mg/kg
PEPPERMINT OIL (CAS 8006-90-4)		
<u>Acute</u>		
Oral		
LD50	Rat	2426 mg/kg
SODIUM LAURETH SULFATE (CAS 9004-82-4)		
<u>Acute</u>		
Oral		
LD50	Rat	1288 mg/kg
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)		
<u>Acute</u>		
Oral		
LD50	Rat	3120 mg/kg
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.

Components	Species	Test Results
<u>Subchronic</u>		
Inhalation		
LOEC	Rat	3.2 - 20 mg/m3, 8 min Accumulation of TiO2 in macrophages and evidence of pulmonary inflammation.
VANILLIN (CAS 121-33-5)		
<u>Acute</u>		
Oral		
LD50	Rat	1580 mg/kg
ZINC CHLORIDE (CAS 7646-85-7)		
<u>Acute</u>		
Oral		
LD50	Rat	350 mg/kg
* Estimates for product may be based on additional component data not shown.		
Skin corrosion/Irritation	Causes mild skin irritation.	
Corrosivity		
PEPPERMINT OIL	Literature search Result: Positive	
Irritation Corrosion - Skin		
MENTHOL	0, Literature data Result: Irritating to skin Species: Rabbit Notes: IUCLID data	
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		
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. May be irritating to eyes.	
Eye		
MENTHOL	0, Literature data Result: Mild-moderate Species: Rabbit	
CITRIC ACID ANHYDROUS	Acute ocular irritation; OECD 405 Result: Severe Irritant Species: Rabbit	
PEPPERMINT OIL	Literature search Result: Mild/moderate Irritant	
TITANIUM DIOXIDE	OECD 405, Literature data Result: Mild irritant Species: Rabbit	
Respiratory or skin sensitization		
ACGIH Sensitization		
ALPHA-PINENE (CAS 80-56-8)	Dermal sensitization	
BETA-PINENE (CAS 127-91-3)	Dermal sensitization	
Respiratory sensitization	Not available.	
Skin sensitization	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

MENTHOL

Buehler assay, Literature data

Result: Negative

Species: Guinea pig

Notes: IUCLID data

Epidemiology, Literature data

Result: Low incidence of contact hypersensitivity.

Notes: IUCLID data

LIMONENE

Literature search

Result: Positive

PEPPERMINT OIL

Literature search

Result: Positive

ISOPROPYLMETHYLPHENOL

Maximisation assay (Magnusson and Kligman), 50% response rate

Result: Positive

Species: Guinea pig

MENTHOL

Modified Draize, Literature data

Result: Positive

Species: Guinea pig

Notes: IUCLID data

Open repetitive dermal test, Literature data

Result: Negative

Species: Guinea pig

Notes: IUCLID data

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

MENTHOL

725 mg/kg In vivo-In vitro Replicative DNA synthesis

Result: Positive

Species: Rat

Alkaline Elution Assay In Vitro, Literature data

Result: Negative

Notes: IUCLID data

TITANIUM DIOXIDE

Ames, Literature data

Result: Negative

MENTHOL

Ames, Literature data Literature data

Result: Negative

Notes: IUCLID data

BlueScreen mammalian cell mutation assay, Literature data

Result: Negative

Notes: IUCLID data

Chromosomal Aberration Assay In Vitro, CHO cells, Literature data

Result: Negative

Notes: IUCLID data

Chromosomal Aberration Assay In Vitro, human lymphocytes, Literature data

Result: Negative

Notes: IUCLID data

GreenScreen mammalian cell mutation assay, Literature data a Result: Negative

Notes: IUCLID data

L5178Y mouse lymphoma thymidine kinase locus assay, Literature data

Result: Negative

Notes: IUCLID data

TITANIUM DIOXIDE

Micronucleus Assay in vitro, CHO cells, Literature data

Result: Negative

Micronucleus Assay in vitro, cultured human peripheral lymphocytes, Literature data

Result: Positive

Mutagenicity
MENTHOL

Micronucleus Test, Literature data
Result: Negative
Species: Mouse
Notes: IUCLID data
Mutation in Drosophila melanogaster, Literature data
Result: Negative
Notes: IUCLID data
SAR / QSAR, DEREK, Lhasa, UK
Result: Plausible (chromosome damage)
Syrian Hamster Embryo (SHE) cell transformation assay
Result: Negative
WIL2-NS HPRT/ t-Thioguanidine - Human B-Cell
lymphoblastoid, Literature data
Result: Positive
sister chromatid exchange, Literature data
Result: Negative
Notes: IUCLID data

ISOPROPYLMETHYLPHENOL

TITANIUM DIOXIDE

MENTHOL

Carcinogenicity

Risk of cancer cannot be excluded with prolonged exposure. Health injuries are not known or expected under normal use. Titanium Dioxide produced carcinogenic effects in a lifetime study in mice. 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
≤ 1000 mg/kg/day, Literature data, dietary study.
Result: Negative
Species: Rat
Test Duration: 103 weeks
Notes: IUCLID data
≤ 2143 mg/kg/day, Literature data, dietary study.
Result: Negative
Species: Mouse
Notes: IUCLID data
SAR / QSAR, DEREK, Lhasa, UK
Result: Negative

MENTHOL

ISOPROPYLMETHYLPHENOL

IARC Monographs. Overall Evaluation of Carcinogenicity

AMORPHOUS SYNTHETIC SILICA GEL (CAS 112926-00-8)	3 Not classifiable as to carcinogenicity to humans.
SIDENT (CAS 7631-86-9)	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.
TITANIUM DIOXIDE (CAS 13463-67-7)	2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity

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

Reproductivity
MENTHOL

185 mg/kg/day Embryo-foetal development, Literature data
Result: NOAEL-Highest dose.
Species: Mouse
Notes: IUCLID data
218 mg/kg/day Embryo-foetal development - Oral, Literature data
Result: NOAEL-Highest dose.
Species: Rat
Notes: IUCLID data
405 mg/kg/day Embryo-foetal development - Oral, Literature data
Result: NOAEL-Highest dose.
Species: Hamster
Notes: IUCLID data
475 mg/kg/day Embryo-foetal development - Oral, Literature data
Result: NOAEL-Highest dose.
Species: Rabbit
Notes: IUCLID data

Specific target organ toxicity - single exposure None known.
Specific target organ toxicity - repeated exposure None known.
Aspiration hazard Not available.
Further Information None known.

12. Ecological information

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

Components		Species	Test Results
CALCIUM CARBONATE (CAS 471-34-1)			
Aquatic			
Fish	LC50	Western mosquitofish (<i>Gambusia affinis</i>)	> 56000 mg/l, 24 hours
CITRIC ACID ANHYDROUS (CAS 77-92-9)			
Aquatic			
<i>Acute</i>			
Algae	NOEC	Green algae (<i>Scenedesmus quadricauda</i>)	425 mg/l, 8 days Static Test
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	120 mg/l, 72 hours Static test
Fish	EC50	Bluegill sunfish (Adult <i>Lepomis macrochirus</i>)	1516 mg/l, 96 hours Static test
		Golden ide/orfe (Adult <i>Leuciscus idus</i>)	440 - 760 mg/l, 96 hours Static test
COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Green algae (<i>Scenedesmus subspicatus</i>)	0.55 mg/l, 96 hours
	NOEC	Green algae (<i>Scenedesmus subspicatus</i>)	0.09 mg/l, 96 hours
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	6.5 mg/l, 48 hours
	NOEC	Water flea (<i>Daphnia magna</i>)	1.6 mg/l, 48 hours
Fish	EC50	Zebra fish (Adult <i>Brachydanio rerio</i>)	2 mg/l, 96 hours semi-static test conditions
	NOEC	Zebra fish (Adult <i>Brachydanio rerio</i>)	1.7 mg/l, 96 hours semi-static test conditions
Microtox	MIC	<i>Pseudomonas</i>	> 3000 mg/l, 16 hours

Components		Species	Test Results
<i>Chronic</i>			
Crustacea	LOEC	Water flea (Daphnia magna)	3.6 mg/l, 21 days
	NOEC	Water flea (Daphnia magna)	0.9 mg/l, 21 days
COPPER PHTHALOCYANINE (CAS 147-14-8)			
Aquatic			
<i>Acute</i>			
Fish	EC50	Orange-red killfish (Adult Oryzias latipes)	> 100 mg/l, 48 hours Static test
DODECYL SODIUM SULFATE (CAS 151-21-3)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	5.4 mg/l, 48 hours Static test
Fish	EC50	Rainbow trout (Adult Oncorhynchus mykiss)	4.6 mg/l, 96 hours Flow-through test
<i>Chronic</i>			
Algae	NOEC	Green algae (Desmodesmus subspicatus)	30 mg/l, 72 hours
Crustacea	NOEC	Ceriodaphnia dubia	0.88 mg/l, 7 days Flow-through Test
Fish	NOEC	Fathead minnow (Pimephales promelas)	3.8 mg/l, 28 days Flow-through test
ISOPROPYLMETHYLPHENOL (CAS 3228-02-2)			
<i>Acute</i>			
	IC50	Activated sludge	67 mg/l, 3 hours
	NOEC	Activated sludge	12 mg/l, 3 hours
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	5.6 mg/l, 48 hours Static test
	NOEC	Water flea (Daphnia magna)	1.8 mg/l Static test
LIMONENE (CAS 138-86-3)			
Aquatic			
<i>Acute</i>			
Algae	NOEC	Algae	> 4.08 mg/l, 96 hours Static test
Crustacea	EC50	Water flea (Daphnia magna)	28.2 mg/l, 48 hours Flow-through test
Fish	EC50	Fathead minnow (Adult Pimephales promelas)	38.5 mg/l, 96 hours Flow-through test
		Golden ide/orfe (Adult Leuciscus idus)	32 mg/l, 48 hours
L-MENTHOL (CAS 2216-51-5)			
Aquatic			
<i>Acute</i>			
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
<i>Chronic</i>			
Algae	NOEC	Green algae (Desmodesmus subspicatus)	9.65 mg/l, 72 hours OECD 201
METHYL ACETATE (CAS 79-20-9)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	700 - 1000 mg/L, 24 hours
Fish	EC50	Fathead minnow (Juvenile Pimephales promelas)	320 mg/L, 96 hours Flow-through test

Components		Species	Test Results
		Zebra fish (Adult Brachydanio rerio)	250 - 350 mg/L, 96 hours Static test
PROPYLENE GLYCOL (CAS 57-55-6)			
Acute			
	IC50	Activated sludge	> 1000 mg/l, 3 hours
Aquatic			
Acute			
Algae	EC50	Green algae (Selenastrum capricornutum)	19000 mg/l, 14 days
	NOEC	Green algae (Selenastrum capricornutum)	15000 mg/l, 14 days
Crustacea	EC50	Daphnia	43500 mg/l, 48 hours
	NOEC	Daphnia	28500 mg/l, 48 hours
Fish	EC50	Fathead minnow (Adult Pimephales promelas)	51400 mg/l, 96 hours Static test
		Rainbow trout (Adult Oncorhynchus mykiss)	51600 mg/l, 96 hours Static test
	NOEC	Fathead minnow (Adult Pimephales promelas)	41000 mg/l, 96 hours Static test
		Rainbow trout (Adult Oncorhynchus mykiss)	42000 mg/l, 96 hours Static test
Microtox	EC50	Microtox	51400 mg/l, 30 minutes
SIDENT (CAS 7631-86-9)			
Aquatic			
Acute			
Crustacea	NOEC	Water flea (Daphnia magna)	> 10000 mg/l, 24 hours
Fish	NOEC	Zebra fish (Adult Brachydanio rerio)	> 10000 mg/l, 96 hours
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 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 Oncorhynchus mykiss)	108 mg/L, 96 hours Static test

Components		Species	Test Results
SODIUM LAURETH SULFATE (CAS 9004-82-4)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	3.12 mg/l, 48 hours
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)			
<i>Acute</i>			
	IC50	Activated sludge	> 1000 mg/l, 3 hours
Aquatic			
<i>Acute</i>			
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
TITANIUM DIOXIDE (CAS 13463-67-7)			
Aquatic			
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours Static test
ZINC CHLORIDE (CAS 7646-85-7)			
<i>Acute</i>			
	IC50	Activated sludge	30 mg/l
Aquatic			
<i>Acute</i>			
Algae	EC50	Green algae (Selenastrum capricornutum)	136 µg/l, 72 hours OECD 201
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	169 µg/l, 48 hours
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	2.86 - 3.78 mg/l, 96 hours
		Fathead minnow (Adult Pimephales promelas)	0.55 mg/l, 96 hours
		Guppy (Juvenile Poecilia reticulata)	3.25 mg/l, 96 hours
		Rainbow trout (Adult Oncorhynchus mykiss)	0.066 mg/l, 96 hours
<i>Chronic</i>			
Algae	NOEC	Green algae (Pseudokirchneriella subcapitata)	24 µg/l, 3 days OECD 201

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

Persistence and degradability

Photolysis

Half-life (Photolysis-aqueous)

PROPYLENE GLYCOL

1.3 - 2.3 Years Estimated

Half-life (Photolysis-atmospheric)

L-MENTHOL

16 Hours Estimated

LIMONENE

< 3 Hours Estimated

METHYL ACETATE

47 - 94 Days Measured

PROPYLENE GLYCOL

32 Hours Estimated

UV/visible spectrum wavelength

COPPER PHTHALOCYANINE

694 nm Measured

Biodegradability

Percent degradation (Aerobic biodegradation-inherent)

CITRIC ACID ANHYDROUS

98 %, 2 days Modified Zahn-Wellens, Activated sludge

Biodegradability

Percent degradation (Aerobic biodegradation-inherent)

COCOAMIDOPROPYL BETAINE	97 %, 28 days Modified Zahn-Wellens, DOC removal, Activated sludge
	99 %, 28 days Modified Zahn-Wellens, DOC removal, Activated sludge
ISOPROPYLMETHYLPHENOL	0 %, 28 days Modified MITI (II) Test, Activated sludge
METHYL ACETATE	> 95 %, 5 days Modified Zahn-Wellens, Activated sludge
PROPYLENE GLYCOL	62 %, 5 days BOD5, Activated sludge
	79 %, 20 Days BOD20, Activated sludge

Percent degradation (Aerobic biodegradation-ready)

COCOAMIDOPROPYL BETAINE	100 %, 20 Days Modified Sturm test, Activated sludge
	84 %, 30 days Closed bottle test, Activated sludge
COPPER PHTHALOCYANINE	0 %, 14 days MITI test
DODECYL SODIUM SULFATE	95 % OECD 301 B
L-MENTHOL	0 %, 28 days
LIMONENE	41 - 98 %, 14 days Modified MITI test, Activated sludge
	> 93.8 %, 14 days Coupled Unit test (OECD 303A), Activated sludge
SODIUM LAURETH SULFATE	100 % River die away, River water

Percent degradation (Anaerobic biodegradation)

PROPYLENE GLYCOL	100 %, 9 days
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Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

ALPHA-PINENE	4.83
DODECYL SODIUM SULFATE	1.6
ISOPROPYLMETHYLPHENOL	3.35
L-MENTHOL	3.3
LIMONENE	4.232
MENTHOL	3.4
PROPYLENE GLYCOL	-1.35
VANILLIN	1.21
	1.37

Bioconcentration factor (BCF)

COPPER PHTHALOCYANINE	0.33 - 11 Measured, Cyprinus carpio, carp
ISOPROPYLMETHYLPHENOL	100 Calculated
L-MENTHOL	1 - 15 Measured, Cyprinus carpio, carp
LIMONENE	246 - 262 Calculated
METHYL ACETATE	0.8 Estimated
PROPYLENE GLYCOL	< 1 Estimated
SODIUM FLUORIDE	2.3 Measured
ZINC CHLORIDE	> 1000 Measured

Mobility in soil

Adsorption

Soil/sediment sorption - log Koc

COPPER PHTHALOCYANINE	1.83 Estimated
L-MENTHOL	3.18 Estimated
LIMONENE	3.01 - 3.68 Estimated
METHYL ACETATE	0.7 - 1.47 Estimated

Mobility in general

Volatility

Henry's law

CITRIC ACID ANHYDROUS	< 0 atm m ³ /mol Calculated, 25 °C
L-MENTHOL	0.000015 atm m ³ /mol Estimated
LIMONENE	0.0319 atm m ³ /mol, 25 °C Estimated
MENTHOL	0.000015 atm m ³ /mol, 25 °C Estimated
METHYL ACETATE	0.000115 atm m ³ /mol Measured, 25 °C
PROPYLENE GLYCOL	0 atm m ³ /mol Estimated

Other adverse effects

None known.

13. Disposal considerations

Disposal instructions

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 MARPOL Annex II applies to liquids used in a ship's operation that pose a threat to the marine environment. These materials may not be transported in bulk.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

ALPHA-PINENE (CAS 80-56-8)	Listed.
COPPER PHTHALOCYANINE (CAS 147-14-8)	Listed.
METHYL ACETATE (CAS 79-20-9)	Listed.
SICOMET BLUE P CI 74160 (CAS 147-14-8)	Listed.
SODIUM FLUORIDE (CAS 7681-49-4)	Listed.
SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)	Listed.
ZINC CHLORIDE (CAS 7646-85-7)	Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

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.

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))

TITANIUM DIOXIDE (CAS 13463-67-7)

US. Massachusetts RTK - Substance List

ALPHA-PINENE (CAS 80-56-8)

AMORPHOUS SYNTHETIC SILICA GEL (CAS 112926-00-8)

CALCIUM CARBONATE (CAS 471-34-1)

METHYL ACETATE (CAS 79-20-9)

SIDENT (CAS 7631-86-9)

SILICON DIOXIDE (CAS 7631-86-9)

SODIUM FLUORIDE (CAS 7681-49-4)

SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)

TITANIUM DIOXIDE (CAS 13463-67-7)

ZINC CHLORIDE (CAS 7646-85-7)

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

ALPHA-PINENE (CAS 80-56-8)

AMORPHOUS SYNTHETIC SILICA GEL (CAS 112926-00-8)

CALCIUM CARBONATE (CAS 471-34-1)

COPPER PHTHALOCYANINE (CAS 147-14-8)

LIMONENE (CAS 138-86-3)

METHYL ACETATE (CAS 79-20-9)

PROPYLENE GLYCOL (CAS 57-55-6)

SICOMET BLUE P CI 74160 (CAS 147-14-8)

SIDENT (CAS 7631-86-9)

SILICON DIOXIDE (CAS 7631-86-9)

SODIUM FLUORIDE (CAS 7681-49-4)

TITANIUM DIOXIDE (CAS 13463-67-7)

ZINC CHLORIDE (CAS 7646-85-7)

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

ALPHA-PINENE (CAS 80-56-8)

CALCIUM CARBONATE (CAS 471-34-1)

METHYL ACETATE (CAS 79-20-9)

PROPYLENE GLYCOL (CAS 57-55-6)

SIDENT (CAS 7631-86-9)

SILICON DIOXIDE (CAS 7631-86-9)

SODIUM FLUORIDE (CAS 7681-49-4)

SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)

TITANIUM DIOXIDE (CAS 13463-67-7)

ZINC CHLORIDE (CAS 7646-85-7)

US. Rhode Island RTK

SODIUM FLUORIDE (CAS 7681-49-4)

SODIUM TRIPOLYPHOSPHATE (CAS 7758-29-4)

ZINC CHLORIDE (CAS 7646-85-7)

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

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

Material name: AQUAFRESH TOOTHPASTE

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SDS US

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Country(s) or region	Inventory name	On inventory (yes/no)*
Korea	Existing Chemicals List (ECL)	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	05-21-2013
Revision date	07-27-2015
Version #	33
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