SAFETY DATA SHEET

1. Identification

Product identifier **PARODONTAX / CORSODYL TOOTHPASTE**

Other means of identification

Synonyms PARODONTAX RED * PARODONTAX GREEN * PARODONTAX CLASSIC * PARODONTAX DAILY FLUORIDE TOOTHPASTE * PARODONTAX FLUORIDE, 923 PPM * PARODONTAX EXTRA FRESH * PARODONTAX EXTRA FRESH, 923 PPM (PROJECT CRIMSON) * PARODONTAX EXTRA FRESH TOOTHPASTE 1400 PPM (PROJECT CRIMSON) * CORSODYL EXTRA FRESH TOOTHPASTE 1400 PPM * PARODONTAX-F GEL * CORSODYL-F TOOTHPASTE (1400PPM FLUORIDE) * PARODONTAX FLUORIDE * PARODONTAX FOR HEALTHY GUMS * PARODONTAX FOR HEALTH GUMS AND TEETH * PARODONTAX GELS * PARODONTAX HERBAL * PARODONTAX HERBAL TOOTHPASTE FLUORIDE * PARODONTAX JAPAN GUMTECT WHITENING AND BASE * PARODONTAX JAPAN GUMTECT WHITENING HIGHER XANTHAN GUM LEVEL * PARODONTAX MINT GEL * PARODONTAX ORIGINAL * PARODONTAX PROFESSIONAL GUM CARE TOOTHPASTE * PARODONTAX PROFESSIONAL GUM CARE TOOTHPASTE EXTRA FRESH * PARODONTAX TOOTHPASTE CHINA (PROJECT DRAGON) * PARODONTAX WHITENING TOOTHPASTE 1426 PPM FLOURIDE (CHINA) * PARODONTAX TOOTHPASTE WITH / WITHOUT TITANIUM DIOXIDE * PARODONTAX WHITENING * PARODONTAX WHITENING TOOTHPASTE * PARODONTAX WHITENING, 923 PPM (PROJECT CRIMSON) * PARODONTAX WHITENING TOOTHPASTE 1400 PPM (PROJECT CRIMSON) * CORSODYL WHITENING TOOTHPASTE (1400PPM FLUORIDE) * PARODONTAX JAPAN KAMUTECT EXTRA FRESH * PARODONTAX / CORSODYL TOOTHPASTE * PARADONTAX-F TOOTHPASTE INDIA (927PPM FLUORIDE) * PARADONTAX-F TOOTHPASTE * ULTRA CLEAN PARODONTAX TOOTHPASTE, HERB FREE * ULTRA CLEAN PARODONTAX TOOTHPASTE * PARODONTAX CLEAN MINT * FORMULATION CODE: IB1575, IB2007, IB2028, IB2108 * MFC00305 * MFC03404 * MFC03812 * MFC03818 * MFC03819 * MFC03820 * MFC03984 * MFC04092 * MFC04093 * MFC04174 * MFC04175 * MFC04176 * MFC04177 * MFC04178 * MFC04179 * MFC04180 * MFC04181 * MFC04182 * MFC04183 * MFC04210 * MFC04212 * MFC04244 * MFC04245 * MFC04326 * MFC04416 * MFC04443 * MFC04444 * MFC04482 * MFC04496 * MFC04609 * MFC04610 * MFC04645 * MFC04646 * MFC04647 * MFC04677 * MFC04722 * MFC04728 * MFC10581 * MFC20014 * MFC20024 * MMI NO: 0488 * 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	%
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	60 - 70
GLYCERIN	GLYCEROL GLYCERIN ANHYDROUS GLYCERINE GLYCERITOL GLYCYL ALCOHOL 1,2,3-PROPANETRIOL PROPANETRIOL GLYROL GLYSANIN TRIHYDROXYPROPANE 1,2,3-TRIHYDROXYPROPANE OSMOGLYN	56-81-5	5.0 - < 15.0
COCOAMIDOPROPYL BETAINE	COCOAMIDO BETAINE N-(COCO ALKYL) AMIDO PROPYL DIMETHYL BETAINE COCONUT OIL AMIDOPROPYL BETAINE	61789-40-0	0 - < 5
SILICA, AMORPHOUS HYDRATED	SILCON DIOXIDE HYDRATE SILICA, HYDRATE HYDRATED AMORPHOUS SILICA Zeodent 113 Zeodent 153	10279-57-9	0 - < 5
PUMA WHIZZLE FLAVOUR			0 - < 2.5
MINT FLAVOUR		Unassigned	0 - < 1.5
WHITE FREEZE FLAVOR 509245 T			0 - < 1.5
OPTAMINT SHINE MINT (SYMRISE)	OPTAMINT SHINE MINT FRAGRANCE MIX MATERIAL NUMBER 949200	Mixture	0 - 1.3
CORNMINT OIL TERPENELESS		68917-18-0	0 - < =1
PEPPERMINT OIL	OIL OF PEPPERMINT ESSENTIAL PEPPERMINT OIL PEPPERMINT LEAF OIL PEPPERMINT TERPENES	8006-90-4	0 - < =1
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	< 1
OPTAMINT POLAR FROST 822121		Unassigned	0 - < 0.5
SODIUM FLUORIDE	SODIUM MONOFLUORIDE NATURAL VILLIAUMITE	7681-49-4	0 - 0.5

Chemical name	Common name and synonyms	CAS number	%
TITANIUM DIOXIDE	TITANIUM OXIDE TITANIUM(IV) OXIDE TITANIUM PEROXIDE (TiO2) PIGMENT WHITE 6	13463-67-7	0 - < 0.5
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 - < 0.15
FERRIC OXIDE (SICOVIT RED 30) CI 77491	IRON OXIDE IRON(III)OXIDE ANHYDROUS IRON OXIDE ANHYDROUS OXIDE OF IRON MARS RED	1309-37-1	< 0.1
RED COLORANT	IRON OXIDE (Fe2O3) C.I. 77491 C.I. PIGMENT RED 101 CROCUS(IRON OXIDE) DIIRON TRIOXIDE FERRIC OXIDE IRON(III) OXIDE IRON OXIDE IRON(3+) OXIDE IRON OXIDE RED IRON SESQUIOXIDE IRON TRIOXIDE JEWELER'S ROUGE RED IRON OXIDE HEMATITE TURKEY RED ALPHA-FERRIC OXIDE ALPHA-IRON OXIDE GAMMA-FERRIC OXIDE GAMMA-IRON OXIDE (Fe2O3) Fe2O3 RTECS NO7400000	1309-37-1	0 - <0.1
Other components below reportable levels			10 - < 20

*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	This product is non-flammable.

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	Type	Value	Form
COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)	OHC	1	PROVISIONAL
ISOPROPYLMETHYLPHENOL (CAS 3228-02-2)	OHC	3	>10 - </=100 mcg/m3 PROVISIONAL
		3	SKIN SENSITISER
RED COLORANT (CAS 1309-37-1)	OHC	1	
SODIUM BICARBONATE (CAS 144-55-8)	8 HR TWA	5000 mcg/m3	
	OHC	1	

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

Components	Type	Value	Form
FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)	PEL	10 mg/m3	Fume.
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
RED COLORANT (CAS 1309-37-1)	PEL	10 mg/m3	Fume.
SODIUM FLUORIDE (CAS 7681-49-4)	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.

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

Components	Type	Value
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)	TWA	0.8 mg/m3

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

Components	Type	Value
		20 millions of particle

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.
RED COLORANT (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.
SODIUM FLUORIDE (CAS 7681-49-4)	TWA	2.5 mg/m3	
TITANIUM DIOXIDE (CAS 13463-67-7)	TWA	10 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.
RED COLORANT (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)	TWA	6 mg/m3	
SODIUM FLUORIDE (CAS 7681-49-4)	TWA	2.5 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	*

* - 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 Do not get in eyes. Wear safety glasses with side shields (or goggles).. Eye wash fountain is recommended.

Skin protection

Hand protection Use personal protective equipment as required.

Other No special protective equipment required. Use personal protective equipment as required.

Respiratory protection Use personal protective equipment as required. No personal respiratory protective equipment normally required.

Thermal hazards Not available.

General hygiene considerations Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance

Physical state Solid.

Form Solid. Paste.

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	Expected to be non-flammable based on components present.
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.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

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	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	Health injuries are not known or expected under normal use.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	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	Health injuries are not known or expected under normal use.

Components	Species	Test Results
COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)		
Acute		
Oral		
LD50	Mouse	> 2000 mg/kg

Components	Species	Test Results
GLYCERIN (CAS 56-81-5)		
Acute		
Oral		
LD50	Rat	> 2000 mg/kg
ISOPROPYLMETHYLPHENOL (CAS 3228-02-2)		
Acute		
Oral		
LD50	Mouse	6280 mg/kg
PEPPERMINT OIL (CAS 8006-90-4)		
Acute		
Oral		
LD50	Rat	2426 mg/kg
SODIUM BICARBONATE (CAS 144-55-8)		
Acute		
Oral		
LD50	Rat	4220 mg/kg
TITANIUM DIOXIDE (CAS 13463-67-7)		
Acute		
Inhalation		
LC50	Rat	6820 mcg/m3
Oral		
LD50	Rat	> 24 g/kg
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.
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 Health injuries are not known or expected under normal use.

Corrosivity

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

Serious eye damage/eye irritation May be irritating to eyes. Direct contact with eyes may cause temporary irritation.

Eye

PEPPERMINT OIL	Literature search Result: Mild/moderate Irritant
TITANIUM DIOXIDE	OECD 405, Literature data Result: Mild irritant Species: Rabbit

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization Health injuries are not known or expected under normal use.

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
ISOPROPYLMETHYLPHENOL	Maximisation assay (Magnusson and Kligman), 50% response rate Result: Positive Species: Guinea pig
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
ISOPROPYLMETHYLPHENOL	SAR / QSAR, DEREK, Lhasa, UK Result: Plausible (chromosome damage)
TITANIUM DIOXIDE	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. 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

Carcinogenicity

TITANIUM DIOXIDE	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
ISOPROPYLMETHYLPHENOL	SAR / QSAR, DEREK, Lhasa, UK Result: Negative

IARC Monographs. Overall Evaluation of Carcinogenicity

FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)	3 Not classifiable as to carcinogenicity to humans.
RED COLORANT (CAS 1309-37-1)	3 Not classifiable as to carcinogenicity to humans.
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)	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 regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

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.

Further information Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information

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

Components		Species	Test Results
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
ISOPROPYLMETHYLPHENOL (CAS 3228-02-2)			
Acute			
	IC50	Activated sludge	67 mg/l, 3 hours
	NOEC	Activated sludge	12 mg/l, 3 hours
Aquatic			
Acute			
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
RED COLORANT (CAS 1309-37-1)			
Aquatic			
Acute			
Fish	EC50	Golden ide/orfe (Adult Leuciscus idus)	> 1000 mg/l, 48 hours Static test
Chronic			
Other	EC50	Bacteria	> 5000 mg/l, 24 hours
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
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
XANTHAN GUM (CAS 11138-66-2)			
Aquatic			
Acute			
Fish	EC50	Rainbow trout (Adult Oncorhyncus mykiss)	420 mg/l, 96 hours Static test

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

Persistence and degradability

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

Percent degradation (Aerobic biodegradation-ready)

COCOAMIDOPROPYL BETAINE	100 %, 20 Days Modified Sturm test., Activated sludge 84 %, 30 days Closed bottle test, Activated sludge

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

GLYCERIN	-1.76
ISOPROPYLMETHYLPHENOL	3.35

Bioconcentration factor (BCF)

ISOPROPYLMETHYLPHENOL	100 Calculated
SODIUM FLUORIDE	2.3 Measured

Mobility in soil Not available.

Mobility in general Not available.

Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground. Dispose in accordance with all applicable regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code Not regulated.

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 Empty containers should be taken to an approved waste handling site for recycling or disposal. 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 applicable.

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.

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 - Yes
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)

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.

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

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

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

FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)
GLYCERIN (CAS 56-81-5)
RED COLORANT (CAS 1309-37-1)
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)
SODIUM FLUORIDE (CAS 7681-49-4)
TITANIUM DIOXIDE (CAS 13463-67-7)

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

FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)
GLYCERIN (CAS 56-81-5)
RED COLORANT (CAS 1309-37-1)
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TITANIUM DIOXIDE (CAS 13463-67-7)

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

FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)
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TITANIUM DIOXIDE (CAS 13463-67-7)

US. Rhode Island RTK

SODIUM FLUORIDE (CAS 7681-49-4)

US. California Proposition 65

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

Country(s) or region	Inventory name	On inventory (yes/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
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 09-23-2013

Revision date 07-14-2016

Version # 18

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings
Health: 2*
Flammability: 0
Physical hazard: 0

NFPA ratings
Health: 2
Flammability: 0
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