SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture: PARODONTAX / CORSODYL TOOTHPASTE

Registration number: -

Synonyms: CORSODYL TOOTHPASTE * CORSODYL TANNKREM * CORSODAILY TANDKRÄM * CORSODAILY TANDPASTA * CORSODYL TANNKREM TIL DAGLIG BRUK * PARODONTAX RED * PARODONTAX GREEN * PARODONTAX CLASSIC * PARODONTAX CLASSIC GUM CARE * PARODONTAX COOLING MINT (EXTRA FRESH) * 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 * PARODONTAX FLÚOR * PARODONTAX FLUOR CREMA DENTAL * PARODONTAX MIT FLUORID * PARODONTAX® С ФТОРОМ * بارودونتكس فلورايد * PARODONTAX FLUOR HAMMASTAHNA * PARODONTAX PÂTE * PARODONTAX FLUORIDOS FOGKRÉM * PARODONTAX CON FLUOR * 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 * MFC05086 * MFC05087 * MFC10581 * MFC20014 * MFC20024 * MMI NO: 0488 * SODIUM FLUORIDE 0.31% TOOTHPASTE * SODIUM FLUORIDE, FORMULATED PRODUCT

Issue date: 17-May-2018

Version number: 20

Revision date: 25-February-2019

Supersedes date: 17-May-2018

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

Identified uses: Oral Care
Cosmetic Product

Uses advised against: No other uses are advised.

1.3. Details of the supplier of the safety data sheet

Company name GlaxoSmithKline UK
Address: 980 Great West Road
Brentford, Middlesex TW8 9GS UK
Telephone: +44-20-8047-5000 (General Inquiries)

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

EMERGENCY CONTACTS

VERISK 3E GLOBAL INCIDENT RESPONSE
Telephone: +(44) 20 35147487 or 0 800 680 0425 (In country)
+(1) 760 476 3961 (International)
24/7; multi-language response
Contract Number: 334878

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

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

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

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

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

2.2. Label elements

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

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

2.3. Other hazards This product is non-flammable.
See section 11 of the SDS for additional information on health hazards.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
SODIUM BICARBONATE	60 - 70	144-55-8 205-633-8	-	-	
Classification: -					
GLYCERIN	5.0 - < 15.0	56-81-5 200-289-5	-	-	
Classification: -					
COCOAMIDOPROPYL BETAINE	0 - < 5	61789-40-0 263-058-8	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Aquatic Acute 1;H400, Aquatic Chronic 2;H411					
SILICA, AMORPHOUS HYDRATED	0 - < 5	10279-57-9 231-545-4	-	-	
Classification: -					
PUMA WHIZZLE FLAVOUR	0 - < 2.5		-	-	
Classification: Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 4;H413					
MINT FLAVOUR	0 - < 1.5	Unassigned -	-	-	
Classification: Flam. Liq. 3;H226, Skin Sens. 1;H317, Aquatic Chronic 2;H411					
WHITE FREEZE FLAVOR 509245 T	0 - < 1.5		-	-	
Classification: Skin Irrit. 2;H315, Skin Sens. 1B;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412					
OPTAMINT SHINE MINT (SYMRISE)	0 - 1.3	Mixture -	-	-	
Classification: Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412					
CORNMINT OIL TERPENELESS	0 - < =1	68917-18-0 -	-	-	
Classification: Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
PEPPERMINT OIL	0 - < =1	8006-90-4 -	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411				
XANTHAN GUM	< 1	11138-66-2 234-394-2	-	-	
Classification:	-				
OPTAMINT POLAR FROST 822121	0 - < 0.5	Unassigned -	-	-	
Classification:	Skin Irrit. 2;H315, Eye Irrit. 2;H319, Aquatic Chronic 3;H412				
Sodium fluoride	0 - 0.5	7681-49-4 231-667-8	-	009-004-00-7	#
Classification:	Acute Tox. 3;H301, Skin Irrit. 2;H315, Eye Irrit. 2;H319				
Titanium dioxide	0 - < 0.5	13463-67-7 236-675-5	-	-	
Classification:	Carc. 2;H351				
SAGE OIL	< 0.2	8016-64-6 -	-	-	
Classification:	Flam. Liq. 3;H226, Acute Tox. 4;H302, Asp. Tox. 1;H304, Skin Irrit. 2;H315, Skin Sens. 1;H317, STOT SE 2;H371, Aquatic Chronic 2;H411				
ISOPROPYLMETHYLPHENOL	0 - < 0.15	3228-02-2 221-761-7	-	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, STOT SE 3;H335, Aquatic Chronic 2;H411				
RED COLORANT	0 - <0.1	1309-37-1 215-168-2	-	-	
Classification:	Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335				
Other components below reportable levels	10 - < 20				

List of abbreviations and symbols that may be used above

M: M-factor
vPvB: very persistent and very bioaccumulative substance.
PBT: persistent, bioaccumulative and toxic substance.
#: This substance has been assigned Community workplace exposure limit(s).

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. If breathing is difficult, trained personnel should give oxygen. Call a physician if symptoms develop or persist. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact Immediately flush skin with plenty of water. Take off contaminated clothing and wash before reuse. Get medical attention if symptoms occur.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion If swallowed, rinse mouth with water (only if the person is conscious). If ingestion of a large amount does occur, call a poison control centre immediately. Do not induce vomiting without advice from poison control center.

4.2. Most important symptoms and effects, both acute and delayed None known. Direct contact with eyes may cause temporary irritation.

4.3. Indication of any immediate medical attention and special treatment needed No specific antidotes are recommended. Treat according to locally accepted protocols. For additional guidance, refer to the current prescribing information or to the local poison control information centre.

SECTION 5: Firefighting measures

General fire hazards This product is non-flammable.

5.1. Extinguishing media

Suitable extinguishing media Water. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media None known.

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

5.3. Advice for firefighters

Special protective equipment for firefighters Wear suitable protective equipment.

Special fire fighting procedures Use standard firefighting procedures and consider the hazards of other involved materials.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

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

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material 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.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling 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.

7.2. Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Room temperature - normal conditions.

7.3. Specific end use(s) Oral Care
Cosmetic Product

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

GSK

Components	Type	Value	Note
COCAMIDOPROPYL BETAINE (CAS 61789-40-0)	OHC	1	PROVISIONAL
ISOPROPYLMETHYLPHENOL (CAS 3228-02-2)	OHC	3	>10 - </=100 mcg/m3 SKIN SENSITISER
PUMA WHIZZLE FLAVOUR	OHC	3	>10 - </= 100 mcg/m3 PROVISIONAL
RED COLORANT (CAS 1309-37-1)	OHC	1	
SODIUM BICARBONATE (CAS 144-55-8)	8 HR TWA	5000 mcg/m3	
	OHC	1	
WHITE FREEZE FLAVOR 509245 T (MIXTURE)	OHC	3	>10 - </= 100 mcg/m3 PROVISIONAL
XANTHAN GUM (CAS 11138-66-2)	OHC	1	

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
GLYCERIN (CAS 56-81-5)	TWA	10 mg/m3	Mist.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
RED COLORANT (CAS 1309-37-1)	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3	Fume.
		4 mg/m3	Respirable.
		10 mg/m3	Inhalable
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)	TWA	6 mg/m3	Inhalable dust.
		2.4 mg/m3	Respirable dust.
Sodium fluoride (CAS 7681-49-4)	TWA	2.5 mg/m3	
Titanium dioxide (CAS 13463-67-7)	TWA	4 mg/m3	Respirable.
		10 mg/m3	Inhalable

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

Components	Type	Value
Sodium fluoride (CAS 7681-49-4)	TWA	2.5 mg/m3

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

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

8.2. Exposure controls

Appropriate engineering controls General ventilation normally adequate.

Individual protection measures, such as personal protective equipment

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

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

Skin protection

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

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

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

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. For advice on suitable monitoring methods, seek guidance from a qualified environment, health and safety professional.

Environmental exposure controls

Hazard guidance and control recommendations Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid.
Form	Paste.Pump/tube.
Colour	Not available.
Odour	Not available.
Odour threshold	Not available.
pH	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.
Vapour pressure	Not available.
Vapour 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.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2. Other information	
Percent volatile	16.1 % estimated

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	None under normal conditions.
10.5. Incompatible materials	Not available.
10.6. Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
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	Health injuries are not known or expected under normal use. Direct contact with eyes may cause temporary irritation.
Ingestion	Health injuries are not known or expected under normal use. Expected to be a low ingestion hazard. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms	None known. Direct contact with eyes may cause temporary irritation.
11.1. Information on toxicological effects	
Acute toxicity	Health injuries are not known or expected under normal use. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Components	Species	Test Results
COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)		
Acute		
Oral		
LD50	Mouse	> 2000 mg/kg
CORNMINT OIL TERPENELESS (CAS 68917-18-0)		
Acute		
Oral		
Liquid		
LD50	Rat	1240 mg/kg
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	>= 7300 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.

Components	Species	Test Results
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 Health injuries are not known or expected under normal use. 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 sensitisation No studies have been conducted.

Skin sensitisation None known. This product is not expected to cause skin sensitisation.

Sensitisation

Titanium dioxide	5 % Optimisation Test, Literature data - Vehicle: petrolatum Result: negative Species: Guinea pig Test Duration: 48 hour exposure
PEPPERMINT OIL	Literature search Result: Positive
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. Contains a material (Titanium dioxide) classified as a carcinogen by external agencies. High concentrations or doses administered over an extended period of time were required to produce adverse effects.

Carcinogenicity

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 - Literature data. Result: negative Species: Rat 25000 - 50000 ppm, Dietary study Result: negative Species: Mouse 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

RED COLORANT (CAS Proprietary)	3 Not classifiable as to carcinogenicity to humans.
TRADE SECRET (CAS Proprietary)	2B Possibly carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity	Health injuries are not known or expected under normal use. Contains no ingredient listed as toxic to reproduction
Specific target organ toxicity - single exposure	None known.
Specific target organ toxicity - repeated exposure	None known.
Aspiration hazard	Not likely, due to the form of the product.
Mixture versus substance information	No information available.
Other information	Occupational exposure to the substance or mixture may cause adverse effects.

SECTION 12: Ecological information

12.1. Toxicity No data available for this product. 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
Chronic			
Crustacea	LOEC	Water flea (Daphnia magna)	3.6 mg/l, 21 days
	NOEC	Water flea (Daphnia magna)	0.9 mg/l, 21 days

Components		Species	Test Results
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.

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

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

Biodegradability

Percent Degradation (Aerobic Biodegradation-Ready)

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

12.3. Bioaccumulative potential No data available for this product.

Partition coefficient n-octanol/water (log Kow)

GLYCERIN	-1.76
ISOPROPYLMETHYLPHENOL	3.35 3.35 (calculated)

Bioconcentration factor (BCF)

ISOPROPYLMETHYLPHENOL	100 Calculated
Sodium fluoride	2.3 Measured

12.4. Mobility in soil No data available.

Mobility in general Not available.

12.5. Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects Not available.

12.7. Additional information None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Contaminated packaging 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.

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

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

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

SECTION 15: Regulatory information

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

EU regulations

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

Not listed.

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

Not listed.

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

Not listed.

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

Not listed.

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

Not listed.

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

Not listed.

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

RED COLORANT (CAS Proprietary)
TRADE SECRET (CAS Proprietary)

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

Not listed.

Authorisations

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

Not listed.

Restrictions on use

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

Not listed.

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

Not listed.

Other EU regulations

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

Not listed.

Other regulations	The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
National regulations	Not available.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations	Not available.
References	GSK Hazard Determination
Information on evaluation method leading to the classification of mixture	Not available.
Full text of any H-statements not written out in full under Sections 2 to 15	H226 Flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H371 May cause damage to organs. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.
Revision information	This document has undergone significant changes and should be reviewed in its entirety.
Training information	Not available.
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.