# SAFETY DATA SHEET



#### 1. Identification

**Product identifier SENSODYNE REPAIR & PROTECT** 

Other means of identification

REPAIR & PROTECT MFC02895, MFC04500, MFC04501, MFC04519 \* REPAIR & PROTECT **Synonyms** 

EXTRA FRESH MFC04502, MFC04503, MFC04520 \* PROJECT HYPERNOVA \* SODIUM

MONOFLUOROPHOSPHATE / 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	%
GLYCERIN	GLYCEROL GLYCERIN ANHYDROUS GLYCERINE GLYCERITOL GLYCYL ALCOHOL 1,2,3-PROPANETRIOL PROPANETRIOL GLYROL GLYSANIN TRIHYDROXYPROPANE 1,2,3-TRIHYDROXYPROPANE OSMOGLYN	56-81-5	< 60
POLYETHYLENE GLYCOL 800	0 ETHYLENE GLYCOL POLYMER ETHYLENE GLYCOL HOMOPOLYMER POLYOXYETHYLENE 8000 POLYGLYCOL E-8000	25322-68-3	20

Chemical name	Common name and synonyms	CAS number	%
SILICON DIOXIDE	SILICA SILICA GEL AMORPHOUS SILICA DIATOMACEOUS EARTH INFUSORIAL EARTH CAB-O-SIL M-5	7631-86-9	< 15
CALCIUM SODIUM PHOSPHOSILICATE	CALCIUM SODIUM PHOSPHOSILICATE	359684-27-8	5
TITANIUM DIOXIDE	TITANIUM OXIDE TITANIUM(IV) OXIDE TITANIUM PEROXIDE (TIO2) PIGMENT WHITE 6	13463-67-7	1
DODECYL SODIUM SULFATE	DODECYL SULFATE, SODIUM SALT SODIUM LAURYL SULPHATE LAURYL SULFATE SODIUM SALT	151-21-3	0 - < 1.5
SODIUM METHYL COCOYL TAURATE	TAURANOL WS-HP SODIUM N-COCOYL N-METHYL TAURATE IGEPON T-43 IGEPON T-71 IGEPON T-73 IGEPON T T IGEPON T T IGEPON T-51 IGEPON T-33 IGEPON TE METAUPON PASTE OLEOYL METHYL TAURIDE SODIUM 2-(N-METHYL OLEAMIDO) ETHANE-1-SULFONATE SODIUM OLEOYLMETHYLTAURIDE	61791-42-2	0 - < 1.5
TEGO BETAIN CK D	COCOAMIDOPROPYL BETAINE (SOLID) FATTY ACID AMIDO ALKYL BETAINE	61789-40-0	0 - < 1.5
QUASAR FLAVOUR 508707T		Unassigned	0 - < 1.2
DI-SODIUM FLUOROPHOSPHATE	DISODIUM FLUOROPHOSPHATE DISODIUM MONOFLUOROPHOSPHATE DISODIUM PHOSPHOROFLUORIDATE SODIUM FLUOROPHOSPHATE (NA2PO3F) SODIUM PHOSPHOROFLUORIDATE SODIUM PHOSPHOROFLURIDATE	10163-15-2	0 - < 1.1
GALAXY FLAVOUR 508522 3T		Unassigned	0 - < 1.1
NOVAMINT EXTRA SO FRESH FLAVOUR			0 - < 1.1
2-PROPENOIC ACID HOMOPOLYMER	CARBOPOL RESINS CARBOMER RESINS CARBOPOL 980NF CARBOPOL 940 CARBOPOL 941 CARBOPOL 960 CARBOPOL 961 CARBOMER 934 CARBOMER(R) 934 CARBOPOL 981 CARBOYVINYL POLYMER	9003-01-4	< 1
ACESULFAME K	1,2,3-OXATHIAZIN-4(3H)-ONE, 6-METHYL-, 2,2-DIOXIDE, POTASSIUM SALT (9CI) ACESULFAM	55589-62-3	< 1
SODIUM FLUORIDE	SODIUM MONOFLUORIDE NATURAL VILLIAUMITE	7681-49-4	0 - 0.31

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

### 4. 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.

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

If swallowed, rinse mouth with water (only if the person is conscious). If ingestion of a large Ingestion

amount does occur, call a poison control center immediately. Do not induce vomiting without

advice from poison control center.

Most important symptoms/effects, acute and

delayed

Indication of immediate treatment needed

medical attention and special

**General information** 

Direct contact with eyes may cause temporary irritation.

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 center.

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. Pre-placement and periodic health surveillance is not usually indicated. The final determination of the need for health surveillance should be determined by local risk assessment.

# 5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Specific hazards arising from the chemical

Special protective equipment

and precautions for firefighters

Fire fighting equipment/instructions

Specific methods General fire hazards Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).

None known.

During fire, gases hazardous to health may be formed.

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

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

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

This product will support combustion at elevated temperatures.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

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

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

# **Environmental precautions**

7. Handling and storage Precautions for safe handling

No special control measures required for the normal handling of this product. Keep away from open flames, hot surfaces and sources of ignition. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Keep away from heat, sparks and open flame. Store in original tightly closed container. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

# Occupational exposure limits

GSK			
Components	Туре	Value	
2-PROPENOIC ACID HOMOPOLYMER (CAS 9003-01-4)	OHC	3	
ACESULFAME K (CAS 55589-62-3)	OHC	1	
DODECYL SODIUM SULFATE (CAS 151-21-3)	OHC	2	
POLYETHYLENE GLYCOL 8000 (CAS 25322-68-3)	OHC	1	
US. OSHA Table Z-1 Limits for Air Conta	aminants (29 CFR 1910.1000)		
Components	Туре	Value	Form
SODIUM MONOFLUOROPHOSPHA TE (CAS 10163-15-2)	PEL	2.5 mg/m3	
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m3 15 mg/m3	Respirable fraction. 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.
US. OSHA Table Z-2 (29 CFR 1910.1000) Components	Туре	Value	Form
SODIUM MONOFLUOROPHOSPHA TE (CAS 10163-15-2)	TWA	2.5 mg/m3	Dust.
SODIUM FLUORIDE (CAS 7681-49-4)	TWA	2.5 mg/m3	Dust.
US. OSHA Table Z-3 (29 CFR 1910.1000) Components	Туре	Value	
SILICON DIOXIDE (CAS 7631-86-9)	TWA	0.8 mg/m3 20 mppcf	
US ACCIU Threehold Limit Volum		20 mppci	
US. ACGIH Threshold Limit Values Components	Туре	Value	
SODIUM MONOFLUOROPHOSPHA	TWA	2.5 mg/m3	
TE (CAS 10163-15-2) SODIUM FLUORIDE (CAS	TWA	2.5 mg/m3	
7681-49-4) TITANIUM DIOXIDE (CAS 13463-67-7)	TWA	10 mg/m3	
US. NIOSH: Pocket Guide to Chemical F	lazards		
Components	Туре	Value	
SODIUM MONOFLUOROPHOSPHA TE (CAS 10163-15-2)	TWA	2.5 mg/m3	
TE (CAS 10163-15-2) SILICON DIOXIDE (CAS 7631-86-9)	TWA	6 mg/m3	
		2.5 mg/m3	
SODIUM FLUORIDE (CAS 7681-49-4)	TWA	2.5 mg/m5	
		Value	Form

Material name: SENSODYNE REPAIR & PROTECT

SDS US 4 / 13 133673 Version #: 05 Revision date: 07-03-2015 Issue date: 04-01-2015

### **Biological limit values**

Components	Value	Determinant	Specimen	Sampling Time
SODIUM MONOFLUOROPHOSPHA TE (CAS 10163-15-2)	3 mg/l	Fluoride	Urine	*
	2 mg/l	Fluoride	Urine	*
SODIUM FLUORIDE (CAS 7681-49-4)	3 mg/l	Fluoride	Urine	*
	2 mg/l	Fluoride	Urine	*

<sup>\* -</sup> For sampling details, please see the source document.

Appropriate engineering controls

An Exposure Control Approach (ECA) is established for operations involving this material based upon the OEL/Occupational Hazard Category and the outcome of a site- or operation-specific risk

#### 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** Not normally needed. For prolonged or repeated skin contact use suitable protective gloves.

Other Not normally needed. Wear suitable protective clothing as protection against splashing or

contamination.

Respiratory protection No personal respiratory protective equipment normally required. 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** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

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

### 9. Physical and chemical properties

**Appearance** 

Physical stateLiquid.FormPaste.

Color Not available.

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling Not available.

range

Flash point 375.8 °F (191 °C) Closed Cup (Estimation based on components).

Evaporation rate Not available.
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

Not available.

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

SDS US

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

# 10. Stability and reactivity

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

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**Conditions to avoid**Contact with incompatible materials. Avoid heat, sparks, open flames and other ignition sources.

**Incompatible materials** Strong oxidizing agents. Fluorine. Chlorine.

**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** 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. May be harmful if swallowed.

However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

#### Information on toxicological effects

Acute toxicity Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Components Species Test Results

2-PROPENOIC ACID HOMOPOLYMER (CAS 9003-01-4)

Acute Oral

LD50 Rat > 2500 mg/kg

ACESULFAME K (CAS 55589-62-3)

Acute Oral

LD50 Rat > 2000 mg/kg

DODECYL SODIUM SULFATE (CAS 151-21-3)

<u>Acute</u>

Oral

LD50 Rat 1288 mg/kg

**GLYCERIN (CAS 56-81-5)** 

Acute Oral

LD50 Rat > 2000 mg/kg

POLYETHYLENE GLYCOL 8000 (CAS 25322-68-3)

<u>Acute</u>

Oral

LD50 Rat > 20 g/kg

Material name: SENSODYNE REPAIR & PROTECT

Components **Species Test Results** 

SODIUM METHYL COCOYL TAURATE (CAS 61791-42-2)

**Acute** 

Oral

LD50 Rat > 2000 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 26 mg/m3, 3 weeks No evidence of Guinea pig

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.

Skin corrosion/irritation Health injuries are not known or expected under normal use.

Irritation Corrosion - Skin

TITANIUM DIOXIDE 0, Literature data

Result: Non-irritant Species: Guinea pig 0. Literature data Result: Non-irritant Species: Human

Acute dermal irritation; OECD 404, Literature data

Result: Non-irritant Species: Rabbit

irritation

Direct contact with eyes may cause temporary irritation. Health injuries are not known or expected

under normal use.

Serious eye damage/eye

OECD 405, Literature data TITANIUM DIOXIDE

Result: Mild irritant Species: Rabbit

Respiratory or skin sensitization

Respiratory sensitization No studies have been conducted.

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

Material name: SENSODYNE REPAIR & PROTECT

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Sensitization

TITANIUM DIOXIDE 5 % Optimisation Test, Literature data - Vehicle: petrolatum

Result: Negative Species: Guinea pig

Test Duration: 48 hour exposure Patch test. Literature data

Result: Negative Species: Human

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

mutagenic or genotoxic.

Mutagenicity

TITANIUM DIOXIDE Ames, Literature data

Result: Negative

Micronucleus Assay in vitro, CHO cells, Literature data

Result: Negative

Micronucleus Assay in vitro, cultured human peripheral

lymphocytes, Literature data

Result: Positive

Syrian Hamster Embryo (SHE) cell transformation assay

Result: Negative

WIL2-NS HPRT/ t-Thioguanidine - Human B-Cell

lymphoblastoid, Literature data

Result: Positive

Carcinogenicity Health injuries are not known or expected under normal use. Contains a material (Titanium

Dioxide) classified as a carcinogen by external agencies. These effects are linked only to high

doses of this substance; lower doses did not cause this adverse effect.

TITANIUM DIOXIDE 0.5 mg/m3, Literature data

Result: Negative Species: Rat

Species: Rat Test Duration: 24 months

0.72 - 14.8 mg/m3, Literature data

Result: Negative Species: Mouse

10 - 250 mg/m3, Dietary study - Literature data.

Result: Inflammation at all doses with alveolar/bronchiolar

adenoma at the highest concentration.

Species: Rat

Test Duration: 24 months 25000 - 50000 ppm, Dietary study

Result: Negative

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

Result: Negative Species: Rat

7.2 - 14.8 mg/m3. Literature data

Result: Lung tumour

Species: Rat

Test Duration: 24 months

#### IARC Monographs. Overall Evaluation of Carcinogenicity

2-PROPENOIC ACID HOMOPOLYMER (CAS 9003-01-4) 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 Contains no ingredient listed as toxic to reproduction

Specific target organ toxicity -

single exposure

Not assigned.

Specific target organ toxicity -

repeated exposure

Not assigned.

Aspiration hazard Not established.

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

Material name: SENSODYNE REPAIR & PROTECT

133673 Version #: 05 Revision date: 07-03-2015 Issue date: 04-01-2015

# 12. Ecological information

# **Ecotoxicity**

There is insufficient information to determine the scope of the environmental effects this material may cause. Contains a substance which causes risk of hazardous effects to the environment.

Components	,	Species	Test Results
2-PROPENOIC ACID I	HOMOPOLYMER (	(CAS 9003-01-4)	
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	168 - 280 mg/l, 96 hours Static test
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	580 - 2000 mg/l, 96 hours Static test
ACESULFAME K (CAS	S 55589-62-3)		
Aquatic			
Acute			
Crustacea	NOEC	Water flea (Daphnia magna)	> 1000 mg/l, 24 hours
Fish	EC50	Zebra fish (Adult Brachydanio rerio)	> 1000 mg/l, 96 hours
Chronic			
Other	LC50	Bacteria	> 10000 mg/l
DODECYL SODIUM S	SULFATE (CAS 151	-21-3)	
Aquatic			
Acute	F050	Matangles (Deplesis assess)	E A marilly 40 hours Obstitute at
Crustacea	EC50	Water flea (Daphnia magna)	5.4 mg/l, 48 hours Static test
Fish	EC50	Rainbow trout (Adult Oncorhyncus mykiss)	4.6 mg/l, 96 hours Flow-through test
Chronic			
Algae	NOEC	Green algae (Desmodesmus subspicatus)	30 mg/l, 72 hours
Crustacea	NOEC	Ceriodaphnia dubia	0.88 mg/l, 7 days Flow-though Test
Fish	NOEC	Fathead minnow (Pimephales promelas)	3.8 mg/l, 28 days Flow-through test
POLYETHYLENE GLY	COL 8000 (CAS 2	5322-68-3)	
Aquatic			
Acute			
Fish	EC50	Goldfish (Adult Carassius auratus)	> 50000 mg/L, 24 hours
Microtox	EC50	Microtox	> 100000 mg/L, 15 minutes
SILICON DIOXIDE (CA	AS 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 (			3 /
Acute	,		
	IC50	Activated sludge	2930 mg/L, 3 hours
Aquatic			
Acute			
Algae	EC50	Green algae (Selenastrum capricornutum)	272 mg/L, 96 hours

Material name: SENSODYNE REPAIR & PROTECT

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Components		Species	Test Results
Crustacea	EC50	Water flea (Daphnia magna)	340 mg/L, 48 hours Static test
Fish	EC50	Fathead minnow (Juvenile Pimephales promelas)	180 mg/L, 96 hours Static renewal test
		Mosquito fish (Adult Gambusia affinis)	418 mg/L, 96 hours Static test
		Rainbow trout (Juvenile Oncorhyncus mykiss)	108 mg/L, 96 hours Static test
SODIUM METHYL CO	COYL TAURATE (	CAS 61791-42-2)	
Acute			
	IC50	Activated sludge	> 3200 mg/l, 3 hours Nominal
	NOEC	Activated sludge	100 mg/l, 3 hours Nominal
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	14 mg/l, 48 hours Nominal
	NOEC	Water flea (Daphnia magna)	10 mg/l, 48 hours Nominal
TEGO BETAIN CK D	(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
TITANIUM DIOXIDE (	CAS 13463-67-7)	, , , , , , , , , , , , , , , , , , ,	
Aquatic	,		
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours Static test

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

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

### **Biodegradability**

Percent degradation (Aerobic biodegradation-inherent)

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

sludge

SODIUM METHYL COCOYL TAURATE 100 %, 28 days Modified Zahn-Wellens, Activated sludge TEGO BETAIN CK D 97 %, 28 days Modified Zahn-Wellens, DOC removal.,

Activated sludge

99 %, 28 days Modified Zahn-Wellens, DOC removal.,

Activated sludge

Percent degradation (Aerobic biodegradation-ready)

DODECYL SODIUM SULFATE 95 % OECD 301 B

TEGO BETAIN CK D 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)

DODECYL SODIUM SULFATE 1.6 Partition coefficient n-octanol / water (log Kow)

GLYCERIN -1.76

**Bioconcentration factor (BCF)** 

SODIUM FLUORIDE 2.3 Measured

Mobility in soil No data available.

Other adverse effects Not available.

# 13. Disposal considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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** 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.

Read safety instructions, SDS and emergency procedures before handling.

#### **IATA**

Not regulated as dangerous goods.

#### **IMDG**

Not regulated as dangerous goods.

Transport in bulk according to Not established.

Annex II of MARPOL 73/78 and

the IBC Code

### 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 listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

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

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

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 Not regulated.

(SDWA)

#### **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**

**GLYCERIN (CAS 56-81-5)** 

SILICON DIOXIDE (CAS 7631-86-9) SODIUM FLUORIDE (CAS 7681-49-4) TITANIUM DIOXIDE (CAS 13463-67-7)

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

DI-SODIUM FLUOROPHOSPHATE (CAS 10163-15-2)

**GLYCERIN (CAS 56-81-5)** 

SILICON DIOXIDE (CAS 7631-86-9) SODIUM FLUORIDE (CAS 7681-49-4) TITANIUM DIOXIDE (CAS 13463-67-7)

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

DI-SODIUM FLUOROPHOSPHATE (CAS 10163-15-2)

**GLYCERIN (CAS 56-81-5)** 

SILICON DIOXIDE (CAS 7631-86-9) SODIUM FLUORIDE (CAS 7681-49-4) TITANIUM DIOXIDE (CAS 13463-67-7)

#### **US. Rhode Island RTK**

SODIUM FLUORIDE (CAS 7681-49-4)

#### **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
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

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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

 Issue date
 04-01-2015

 Revision date
 07-03-2015

Version # 05

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

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).

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 Handling and storage: Precautions for safe handling

Ecological information: Ecotoxicity

Material name: SENSODYNE REPAIR & PROTECT