



# SAFETY DATA SHEET

## 1. Identification

Product identifier

DENTURE CLEANSER TABLETS

Other means of identification

Synonyms

B51008 \* MFC51008 \* MFC51009 \* MFC51010 \* MFC51013 \* MFC51014 \* MFC51038 \* MFC51039 \* MFC04838 \* MFC04839 \* MFC04840 \* MFC04841 \* MFC04843 \* MFC04936 \* CANDIDA DUAL-ACTION TABLETS \* CANDIDA DUO-AKTIV TABS \* COREGA - COREGA TABS DAILY DENTURE CLEANSER ANTIBACTERIAL \* COREGA - COREGA TABS FOR PARTIAL PROsthESIS \* COREGA 3 MINUTE TABLETS \* COREGA 3 MINUTES \* COREGA 3 MINUTÉS \* COREGA 3 MINUTES \* COREGA 3 MINUTIT \* COREGA AÇÃO TOTAL PASTILHAS \* COREGA ACCIÓN TOTAL LIMPIADOR \* COREGA ANTIBACTERIAL CLEANSER FOR PARTIALS CLEAN & PROTECT \* COREGA APPARECCHI ORTODONTICI PER BAMBINI \* COREGA BIO ACTIVE OXYGEN 3 MINUTES \* COREGA BIO FORMULA \* COREGA BIO FORMULA DANTŰ PROTEZŰ VALOMOSIOS TABLETÉS \* COREGA BIO FORMULA MŰFOG SORTISZTÍTÓ TABLETTA \* COREGA BIO FORMULA PROTEESIDE PUHASTUSTABLETID \* COREGA BIO FORMULA ZOBŰ PROTEZŰ TÍRÍŠANAS TABLETES \* COREGA BIO TABS \* COREGA BIO TABS ČISTIACE TABLETY \* COREGA BIO TABS ČISTÍČÍ TABLETY \* COREGA BIO-ACTIVE OXYGEN 3 MINUTES \* COREGA BLANQUEADOR \* COREGA BLANQUEANTE \* COREGA CLEAN & PROTECT \* COREGA CLEAN & PROTECT ANTIBACTERIAL CLEANER FOR PARTIAL DENTURES \* COREGA DENTAL WHITE \* COREGA DENTURE CLEANSER TABLETS \* COREGA DENTURE CLEANSER TABLETS FOR PARTIALS AND ORTHODONTIC APPLIANCES \* COREGA DENTURE CLEANSING TABLETS \* COREGA DIŞ PROTEZI TEMİZLEYİCİ TABLET \* COREGA EXTRADENT \* COREGA FOR PARTIALS \* COREGA FOR PARTIALS - CLEAN AND PROTECT \* COREGA FÜR TEIL-ZAHNERSATZ REINIGT&SCHÜTZ \* COREGA FÜR TEIL-ZAHNERSATZ REINIGT&SCHÜTZT \* COREGA JUNIOR \* COREGA LIMPIA Y PROTEGE PARA PRÓTESIS PARCIALES \* COREGA LIMPIADOR ANTIBACTERIAL PARA PRÓTESIS PARCIALES - LIMPIA Y PROTEGE \* COREGA LIMPIADOR PARA PRÓTESIS PARCIALES – LIMPIA Y PROTEGE \* COREGA NA CIASTOCNE NAHRADY \* COREGA NETTOYE & PROTECTION \* COREGA OXIGÉNIO BIO-ACTIVO 3 MINUTOS \* COREGA OXÍGENO BIO-ACTIVO \* COREGA PARA PARCIAIS \* COREGA PARA PARCIAIS LIMPA E PROTEGE \* COREGA PARA PARCIALES LIMPIA Y PROTEGE \* COREGA PARTS \* COREGA REINIGEN & BESCHERMEN \* COREGA TABLETAS 3 MINUTOS \* COREGA TABLETE BIO FORMULA \* COREGA TABLETE BIO FORMULA 30 \* COREGA TABLETE EFERVESCENTE \* COREGA TABLETE POMAŽE ODRŽATI BIJELINU \* COREGA TABLETE POMAŽE ODRŽATI BIJELINU 30 \* COREGA TABLETE ZA ČIŠĆENJE PARCIJALNIH ZUBNIH PROTEZA \* COREGA TABLETE ZA PARCIJALNE PROTEZE \* COREGA TABLETE ZA PARCIJALNE PROTEZE 30 \* COREGA TABLETS \* COREGA TABLETS FOR PARTIAL DENTURES \* COREGA TABS 3 MINUTEN \* COREGA TABS 3 MINUTES \* COREGA TABS 3 MINUTES EFFERVESCENTS TABLETS \* COREGA TABS 3 MINUTOS \* COREGA TABS 3 MINUTOS TABLETAS EFERVESCENTES \* COREGA TABS BIO FORMEL \* COREGA TABS BIO FORMULA \* COREGA TABS BLANQUEADOR \* COREGA TABS BLANQUEADOR - IMPROVED FORMULATION \* COREGA TABS BRANQUEADOR LIMPADOR DIÁRIO DE DENTADURAS \* ANTIBACTERIANO (CADASTRO IMPORTADO). \* COREGA TABS DANTŰ PROTEZŰ VALOMOSIOS TABLETÉS \* COREGA TABS DENTAL WEISS \* COREGA TABS DENTAL WHITE \* COREGA TABS FOR PARTIALS CLEAN & PROTECT \* COREGA TABS HAMBAPROTEESIDE PUHASTUSTABLETID \* COREGA TABS LIMPADOR DIÁRIO DE DENTADURA ANTIBACTERIANO (CADASTRO NACIONAL) \* COREGA TABS MŰFOG SORTISZTÍTÓ TABLETTA RÉSZLEGES MŰFOG SORHOZ \* COREGA TABS PARA PRÓTESES PARCIAIS (CADASTRO IMPORTADO) \* COREGA TABS WHITENING \* COREGA TABS WHITENING DAILY DENTURE CLEANSER ANTIBACTERIAL \* COREGA TABS ZOBŰ PROTEZŰ TÍRÍŠANAS TABLETES \* COREGA TISZTÍTÓ TABLETTA RÉSZLEGES MŰFOG SORHOZ ÉS FOGSZABÁLYOZÓHOZ \* COREGA TOTAL ACTION \* COREGA WHITENIG DANTŰ PROTEZŰ VALOMOSIOS TABLETÉS \* COREGA WHITENING \* COREGA WHITENING MŰFOG SORROGZÍTÓ TABLETTA \* COREGA WHITENING PROTEESIDE PUHASTUSTABLETID \* COREGA WHITENING ZOBŰ PROTEZŰ TÍRÍŠANAS TABLETES \* COREGA ZA DELNE PROTEZE \* COREGA ТАБЛЕТКИ ЗА ЧАСТИЧНИ ПРОТЕЗИ \* POLIDENT 3 MINUTE ANTIBACTERIAL DENTURE CLEANSER \* POLIDENT 3 MINUTE DENTURE CLEANSER \* POLIDENT 3 MINUTI \* POLIDENT 5 MINUTES \* POLIDENT AÇÃO DESINFETANTE \* POLIDENT ACCIÓN DESINFECTANTE \* POLIDENT ACTIVE OXYGEN 3 MINUTES \* POLIDENT ACTIVE OXYGEN \* POLIDENT ANTIBACTERIAL CLEANSER \* POLIDENT ANTI-ODOUR (POLIDENT ANTIBACTERIAL) \* POLIDENT APPARECCHI ORTODONTICI PER B

Recommended use

Medical Device

**Recommended restrictions** No other uses are advised.

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

**COMPANY NAME** GlaxoSmithKline US  
**Address:** 5 Moore Drive  
Research Triangle Park, NC 27709 USA  
**Telephone:** +1-888-825-5249 (General Inquiries)  
**Email:** msds@gsk.com  
**Website:** www.gsk.com

**EMERGENCY CONTACTS**

**Telephone:** CHEMTREC EMERGENCY NUMBERS  
+(1) 703 527 3887 (International)  
24/7; multi-language response  
**Contract Number:** CCN9484

**Telephone:** VERISK 3E GLOBAL INCIDENT RESPONSE  
+(1) 760 476 3971 (In country)  
+(1) 760 476 3962 or +(1) 866 519 4752 (International)  
24/7; multi-language response  
**Contract Number:** 334878

**2. Hazard(s) identification**

**Physical hazards** Not classified.  
**Health hazards** Serious eye damage/eye irritation Category 2  
**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 3  
**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning  
**Hazard statement** Causes serious eye irritation. Harmful to aquatic life.  
**Precautionary statement**  
**Prevention** Wash hands thoroughly after handling. Avoid release to the environment.  
**Response** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
**Storage** Not available.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** Causes serious eye irritation.  
See section 11 of the SDS for additional information on health hazards.

**Supplemental information** 100% of the mixture consists of component(s) of unknown acute dermal toxicity. % of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 79.21% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

**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	24 - 39
CITRIC ACID ANHYDROUS	BETA-HYDROXYTRICARBALLYLIC ACID ANHYDROUS CITRIC ACID 2-HYDROXY-1,2,3-PROPANETRICARBOXYLIC ACID CITIRIC ACID	77-92-9	18 - 20
POTASSIUM CAROATE	OXONE MONOPERSULFATE COMPOUND - PS16 POTASSIUM MONOPERSULFATE PENTAKALIUM-BIS(PEROXYMONOSULFAT)-BIS(SULFAT)	70693-62-8	12 - 16
SODIUM PERCARBONATE	CARBONIC ACID DISODIUM SALT, COMPD. WITH HYDROGEN PEROXIDE (H2O2) CARBONIC ACID DISODIUM SALT, COMPD. WITH HYDROGEN PEROXIDE (2:3) PERDOX PEROXY SODIUM CARBONATE SODIUM CARBONATE PEROXIDE	15630-89-4	8 - 20
SODIUM CARBONATE	CARBONIC ACID, DISODIUM SALT BISODIUM CARBONATE DISODIUM CARBONATE SODA ASH	497-19-8	9.6
POLYETHYLENE GLYCOLS	GLYCOLS, POLYETHYLENE ETHYLENE GLYCOL HOMOPOLYMER ETHYLENE GLYCOL POLYMER ETHYLENE OXIDE POLYMER ETHYLENE POLYOXIDE ALPHA, OMEGA-HYDROXYPOLY(ETHYLENE OXIDE) POLY(ETHYLENE OXIDES) POLY(ETHYLENE ETHER) GLYCOL ALPH-HYDRO-OMEGA-HYDROXY POLY(OXY-1,2-ETHANEDIYL) POLYETHYLENE GLYCOL POLY(VINYL OXIDE) 1,2-ETHANEDIOL, MONOPOLYMER POLYETHYLENE OXIDE OXIRANE POLYMER CARBOWAX PEG PEG-100 PEG-4 PEG-40 MACROGOL	25322-68-3	2.5
SODIUM BENZOATE	BENZOIC ACID, SODIUM SALT BENZOATE OF SODA SODIUM BENZOIC ACID	532-32-1	2.5

Chemical name	Common name and synonyms	CAS number	%
SODIUM C12-18 ALKYL SULFATE	SODIUM MONO-C12-18-ALKYL SULPHATE SULFURIC ACID, MONO-C12-18-ALKYL ESTERS, SODIUM SA SODIUM MONO-C12-18-ALKYL SULFAT E SULFURIC ACID, MONO-C12-18-ALKYL ESTERS, SODIUM SALTS SODIUM LAURYL SULFATE	68955-19-1	0 - 1.5
SODIUM LAURYL SULFOACETATE (SLSA)	SODIUM LAURYL SULFOACETATE LANTHANOL LAL NATRIUM-2-(DODECYLOXY)-2-OXOET HAN-1-SULFONAT	1847-58-1	0 - 1.5
SUBTILISIN	ALCALASEAXATASE MP ALK-ENZYME ALPHA AMYLASE BIOPRASE COLISTINASE EVERLASE PROTEIN DECOMPOSING ENZYMES PROTEOLYTIC ENZYME	9014-01-1	0 - 1.5
PEPPERMINT OIL	OIL OF PEPPERMINT ESSENTIAL PEPPERMINT OIL PEPPERMINT LEAF OIL PEPPERMINT TERPENES	8006-90-4	0.3 - 0.8
PROTEOLYTIC ENZYME		1395-21-7	< 1
PVP/VA S-630 COPOLYMER	PVP - VA POLY(VINYL ACETATE-CO-VINYLPYRROLIDONE) VINYLPYRROLIDON-VINYLACETAT-CO POLYMER PVP/VA S-630 COPOLYMER ACETIC ACID, ETHENYL ESTER, POLYMER WITH 1-ETHENYL-2-PYRROLIDINONE POLYVINYLPYRROLIDONE-VINYL ACETATE COPOLYMER VINYLPYRROLIDONE/VINYL ACETATE COPOLYMER PVP/VA S-630 KOLLIDON VA 64 POLYVISCOL VA64 PLASDONE S-630	25086-89-9	< 1
CORN MINT OIL TERPENELESS	CORN MINT OIL (MENTHA ARVENSIS OIL) MENTHA ARVENSIS OIL (CORN MINT) MENTHA OIL	68917-18-0	0 - 0.3
OIL OF SPEARMINT	OILS, SPEARMINT CURLED MINT OIL SPEARMINT OIL	8008-79-5	0 - 0.3
L-MENTHOL	CYCLOHEXANOL, 5-METHYL-2-(1-METHYLETHYL)-, (1R-(1ALPHA,2BETA,5ALPHA))- (1R-(1ALPHA,2BETA,5ALPHA))-5-METH YL-2-(1-METHYLETHYL)-CYCLOHEXAN OL LEVOMENTHOL L-MENTHOL (L)-MENTHOL	2216-51-5	0 - 0.2
SODIUM NITRITE	NITROUS ACID, SODIUM SALT NITROUS ACID SODIUM SALT(1:1) ALKALI METAL NITRITES RTECS RA1225000 DIAZOTISING SALTS GI148746X SODIO NITRITE SODIO NITRITO	7632-00-0	0 - 0.2

Chemical name	Common name and synonyms	CAS number	%
FD AND C BLUE NO. 1 ALUMINUM LAKE	BENZENEMETHANAMINIUM, N-ETHYL-N-(4-((4-(ETHYL((3-SULFOPHENYL) METHYL) AMINO) PHENYL)(2-SULFOPHENYL) METHYLENE)-2,5-CYCLOHEXADIEN-1-YLIDENE) -3-SULFOHYDROXIDE, INNER SALT, ALUMINUM SALT C.I. 42090:2 C.I. FOOD BLUE 2:1 C.I. FOOD BLUE 2 ALUMINUM LAKE FD AND C BLUE NO.1 LAKE	68921-42-6	0 - 0.04
FD&C YELLOW NO. 5	4,5-DIHYDRO-5-OXO-1-(4-SULFOPHENYL)-4-((4-SULFOPHENYL)AZO)-1H-PYRAZOLE-3-CARBOXYLIC ACID, TRISODIUM SALT C.I. ACID YELLOW 23 C.I. FOOD YELLOW 4 TARTRAZINE YELLOW DYE TARTRAZINE YELLOW 5 EGG YELLOW A LAKE YELLOW LEMON YELLOW A TARTRAN YELLOW TARTRAZIN FD&C YELLOW NO. 5 (TARTRAZINE)	1934-21-0	0 - 0.03

Other components below reportable levels

3 - < 5

\*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. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop. If breathing is difficult, trained personnel should give oxygen.

##### Skin contact

Take off contaminated clothing and wash before reuse. Immediately flush skin with plenty of water. 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 SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting without advice from poison control center.

##### Most important symptoms/effects, acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

##### Indication of immediate medical attention and special treatment needed

No specific antidotes are recommended. Treat according to locally accepted protocols. For additional guidance, refer to the local poison control information center.

##### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

##### Suitable extinguishing media

Water. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

##### Unsuitable extinguishing media

None known.

##### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

##### Special protective equipment and precautions for firefighters

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

##### Fire fighting equipment/instructions

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

##### Specific methods

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

##### General fire hazards

No unusual fire or explosion hazards noted.

## 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 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

Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment.

## 7. Handling and storage

### Precautions for safe handling

Avoid contact with eyes. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Store in original tightly closed container.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### GSK

#### Components

Components	Type	Value	Note
CITRIC ACID ANHYDROUS (CAS 77-92-9)	8 HR TWA	5000 mcg/m3	
	OHC	1	
FD&C YELLOW NO. 5 (CAS 1934-21-0)	OHC	2	PROVISIONAL
L-MENTHOL (CAS 2216-51-5)	OHC	1	SKIN SENSITISER
PVP/VA COPOLYMER (CAS 25086-89-9)	OHC	2	>100 - <=1000 mcg/m3
SODIUM BENZOATE (CAS 532-32-1)	8 HR TWA	5000 mcg/m3	
SODIUM BICARBONATE (CAS 144-55-8)	8 HR TWA	5000 mcg/m3	
	OHC	1	
SODIUM CARBONATE (CAS 497-19-8)	8 HR TWA	5000 mcg/m3	
	OHC	1	
SODIUM LAURYL SULFOACETATE (SLSA) (CAS 1847-58-1)	OHC	2	
SODIUM NITRITE (CAS 7632-00-0)	8 HR TWA	100 mcg/m3	
	OHC	3	
SUBTILISIN (CAS 9014-01-1)	OHC	5	SKIN SENSITISER
		5	RESPIRATORY SENSITISER

#### US. ACGIH Threshold Limit Values

#### Components

Components	Type	Value	Form
FD AND C BLUE NO. 1 ALUMINUM LAKE (CAS 68921-42-6)	TWA	1 mg/m3	Respirable fraction.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
PROTEOLYTIC ENZYME (CAS 1395-21-7)	Ceiling	0.00006 mg/m3	
SUBTILISIN (CAS 9014-01-1)	Ceiling	0.00006 mg/m3	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
FD AND C BLUE NO. 1 ALUMINUM LAKE (CAS 68921-42-6)	TWA	2 mg/m3
PROTEOLYTIC ENZYME (CAS 1395-21-7)	STEL	0.00006 mg/m3
SUBTILISIN (CAS 9014-01-1)	STEL	0.00006 mg/m3

**US. Workplace Environmental Exposure Level (WEEL) Guides**

Components	Type	Value	Form
POLYETHYLENE GLYCOLS (CAS 25322-68-3)	TWA	10 mg/m3	Particulate.

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

**Appropriate engineering controls** 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. Eye wash fountain is recommended.

**Skin protection****Hand protection**

Wear suitable gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

**Other**

Not normally needed. Wear suitable protective clothing.

**Respiratory protection**

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

**Thermal hazards**

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**

<b>Physical state</b>	Solid.
<b>Form</b>	Tablet.
<b>Color</b>	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**

<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

**10. Stability and reactivity**

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

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

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** No hazardous decomposition products are known. Irritating and/or toxic fumes and gases may be emitted upon the product's 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. Prolonged skin contact may cause temporary irritation.

**Eye contact** Causes serious eye irritation.

**Ingestion** Health injuries are not known or expected under normal use.

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Information on toxicological effects**

**Acute toxicity** Based on available data, the classification criteria are not met.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
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CITRIC ACID ANHYDROUS (CAS 77-92-9)

**Acute****Oral**

LD50	Rat	11700 mg/kg
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CORN MINT OIL TERPENELESS (CAS 68917-18-0)

**Acute****Oral**

*Liquid*

LD50	Rat	1240 mg/kg
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Components	Species	Test Results
FD AND C BLUE NO. 1 ALUMINUM LAKE (CAS 68921-42-6)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
FD&C YELLOW NO. 5 (CAS 1934-21-0)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Mouse	12750 mg/kg
L-MENTHOL (CAS 2216-51-5)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	2400 mg/kg
OIL OF SPEARMINT (CAS 8008-79-5)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	5000 mg/kg
PEPPERMINT OIL (CAS 8006-90-4)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	2426 mg/kg
POLYETHYLENE GLYCOLS (CAS 25322-68-3)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	10000 mg/kg
POTASSIUM CAROATE (CAS 70693-62-8)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	2000 mg/kg
PVP/VA S-630 COPOLYMER (CAS 25086-89-9)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	> 630 mg/kg 5000 mg/kg
SODIUM BENZOATE (CAS 532-32-1)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	2000 mg/kg
SODIUM BICARBONATE (CAS 144-55-8)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	>= 7300 mg/kg
SODIUM C12-18 ALKYL SULFATE (CAS 68955-19-1)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
SODIUM CARBONATE (CAS 497-19-8)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg

Components	Species	Test Results
<b>Inhalation</b>		
<i>Aerosol</i>		
LC50	Rat	2300 mg/m3, 2 Hours
<b>Oral</b>		
LD50	Rat	2800 mg/kg
SODIUM LAURYL SULFOACETATE (SLSA) (CAS 1847-58-1)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	700 mg/kg
SODIUM NITRITE (CAS 7632-00-0)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	180 mg/kg
SODIUM PERCARBONATE (CAS 15630-89-4)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	1034 mg/kg
SUBTILISIN (CAS 9014-01-1)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	2000 mg/kg

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

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Corrosivity**

PEPPERMINT OIL	Literature search Result: Positive
PVP/VA S-630 COPOLYMER	Literature search, BASF Test Data Result: Non-irritant Species: Rabbit
SODIUM BENZOATE	OECD 404 Result: Negative Species: Rabbit

**Irritation Corrosion - Skin: P.I.I. value**

CITRIC ACID ANHYDROUS	OECD 404 Result: Mild to moderate irritant. Species: Rabbit
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**Serious eye damage/eye irritation** Causes serious eye irritation.

**Eye**

SODIUM BENZOATE	Acute ocular irritation; OECD 405 Result: Mild irritant Species: Rabbit
SODIUM CARBONATE	Acute ocular irritation; OECD 405 Result: Moderate Irritant Species: Rabbit
CITRIC ACID ANHYDROUS	Acute ocular irritation; OECD 405 Result: Severe Irritant Species: Rabbit
PEPPERMINT OIL	Literature search Result: Mild/moderate Irritant
PVP/VA S-630 COPOLYMER	Literature search, BASF Test Data Result: Non-irritant Species: Rabbit

**Respiratory or skin sensitization**

**Respiratory sensitization** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**Skin sensitization** Based on available data, the classification criteria are not met.

**Sensitization**

PEPPERMINT OIL

Literature search

Result: Positive

SODIUM BENZOATE

Local lymph node assay

Result: Negative

Species: Mouse

PVP/VA S-630 COPOLYMER

Maximisation assay (Magnusson and Kligman); OECD 406, BASF Test Data

Result: Negative

Species: Guinea pig

**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Mutagenicity**

PVP/VA S-630 COPOLYMER

Ames Assay

Result: Negative

SODIUM BENZOATE

Ames

Result: Negative

Chromosomal aberration assay

Result: Negative

Species: Rat

**Carcinogenicity**

Based on available data, the classification criteria are not met.

PVP/VA S-630 COPOLYMER

12 month bioassay

Result: Negative

Species: Dog

2 year bioassay

Result: Negative

Species: Rat

SODIUM BENZOATE

2 year study, Male + Female

Result: Negative - dietary

Species: Rat

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity**

Based on available data, the classification criteria are not met. Contains no ingredient listed as toxic to reproduction

**Reproductivity**

SODIUM BENZOATE

Embryofetal Development

Result: Negative

Reproduction/Fertility Study

Result: Negative

Species: Rat

**Specific target organ toxicity - single exposure**

Not available.

**Specific target organ toxicity - repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Further information**

May cause allergic respiratory and skin reactions.

**12. Ecological information****Ecotoxicity**

Harmful to aquatic life.

**Components****Species****Test Results**

CITRIC ACID ANHYDROUS (CAS 77-92-9)

**Aquatic***Acute*

Algae

NOEC

Green algae (*Scenedesmus quadricauda*)

425 mg/l, 8 days Static Test

Crustacea

EC50

Water flea (*Daphnia magna*)

120 mg/l, 72 hours Static test

Components		Species	Test Results
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
L-MENTHOL (CAS 2216-51-5)			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Green algae ( <i>Desmodesmus subspicatus</i> )	21.4 mg/l, 72 hours OECD 201
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	37.7 mg/l, 24 hours OECD 202
Fish	LC50	Zebra danio ( <i>Danio rerio</i> )	15.6 mg/l, 96 hours EU Method C.1
<i>Chronic</i>			
Algae	NOEC	Green algae ( <i>Desmodesmus subspicatus</i> )	9.65 mg/l, 72 hours OECD 201
SODIUM BENZOATE (CAS 532-32-1)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	> 100 mg/L, 96 hours Static test
Fish	EC50	Fathead minnow (Juvenile <i>Pimephales promelas</i> )	484 mg/L, 96 hours Flow-through test
SODIUM BICARBONATE (CAS 144-55-8)			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Algae ( <i>Nitscheria linearis</i> )	650 mg/l, 5 days
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	2350 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult <i>Lepomis macrochirus</i> )	8250 - 9000 mg/l, 96 hours Static test
		Mosquito fish (Adult <i>Gambusia affinis</i> )	7550 mg/l, 96 hours Static test
SODIUM CARBONATE (CAS 497-19-8)			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Green algae ( <i>Selenastrum capricornutum</i> )	> 800 mg/l
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	265 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult <i>Lepomis macrochirus</i> )	300 mg/l, 96 hours Static test
		Fathead minnow (Juvenile <i>Pimephales promelas</i> )	< 850 mg/l, 96 hours Static test
		Mosquito fish (Adult <i>Gambusia affinis</i> )	740 mg/l, 96 hours Static test
SUBTILISIN (CAS 9014-01-1)			
<b>Aquatic</b>			
<i>Acute</i>			
Fish	EC50	Guppy (Juvenile <i>Poecilia reticulata</i> )	25 mg/l, 24 hours Static test
		Rainbow trout (Adult <i>Oncorhynchus mykiss</i> )	5 mg/l, 24 hours Static test

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

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

#### Photolysis

##### Half-life (Photolysis-atmospheric)

L-MENTHOL 16 Hours Estimated

#### Biodegradability

##### Percent degradation (Aerobic biodegradation-inherent)

CITRIC ACID ANHYDROUS 98 %, 2 days Modified Zahn-Wellens, Activated sludge

## Biodegradability

### Percent degradation (Aerobic biodegradation-ready)

L-MENTHOL	0 %, 28 days
SODIUM BENZOATE	100 %, 28 days Modified OECD Screening Test (OECD 301E), Sea water
	90 %, 7 days Modified Sturm test., Activated sludge

### Percent degradation (Anaerobic biodegradation)

SODIUM BENZOATE	93 %, 7 days Other degradation test system, Mixed Residential/Industrial
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**Bioaccumulative potential** Not available.

### Partition coefficient n-octanol / water (log Kow)

L-MENTHOL	3.3
SODIUM BENZOATE	1.89

### Bioconcentration factor (BCF)

L-MENTHOL	1 - 15 Measured, Cyprinus carpio, carp
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## Mobility in soil

### Adsorption

#### Soil/sediment sorption - log Koc

L-MENTHOL	3.18 Estimated
SODIUM BENZOATE	1.16 Calculated

## Mobility in general

### Volatility

#### Henry's law

CITRIC ACID ANHYDROUS	< 0 atm m <sup>3</sup> /mol Calculated, 25 °C
L-MENTHOL	0.000015 atm m <sup>3</sup> /mol Estimated

**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 contaminate ponds, waterways or ditches with chemical or used container. 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.

### 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** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
One or more components are not listed on TSCA.

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

SODIUM NITRITE (CAS 7632-00-0)	1.0 % One-Time Export Notification only.
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### CERCLA Hazardous Substance List (40 CFR 302.4)

SODIUM NITRITE (CAS 7632-00-0)	Listed.
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**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes**Classified hazard categories** Serious eye damage or eye irritation**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****California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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

SUBTILISIN (CAS 9014-01-1)

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

<b>Issue date</b>	05-04-2018
<b>Revision date</b>	07-27-2018
<b>Version #</b>	05
<b>Further information</b>	HMIS® is a registered trade and service mark of the ACA.
<b>HMIS® ratings</b>	Health: 2 Flammability: 0 Physical hazard: 0
<b>NFPA ratings</b>	Health: 2 Flammability: 0 Instability: 0
<b>References</b>	GSK Hazard Determination
<b>Disclaimer</b>	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.
<b>Revision information</b>	Identification: Recommended restrictions Hazard(s) identification: Hazard(s) not otherwise classified (HNOC) Hazard(s) identification: Supplemental information Accidental release measures: Personal precautions, protective equipment and emergency procedures Accidental release measures: Environmental precautions Accidental release measures: Methods and materials for containment and cleaning up