SAFETY DATA SHEET

1. Identification

Product identifier **3 MINUTE DENTURE CLEANSER TABLET**

Other means of identification

Synonyms MFC04838 * MFC04839 * MFC04840 * MFC05313 * MFC05314 * MFC05315 * MFC51010 * COREGA 3 MINUTES * COREGA 3 MINUTĖS * COREGA 3 MINŪTES * COREGA 3 MINUTIT * COREGA BIO * COREGA BIO FORMULA * COREGA BIO FORMULA MŰFOGSORTISZTÍTÓ TABLETTA * COREGA BIO TABS * COREGA BIO TABS ČISTÍCÍ TABLETY * COREGA DENTURE CLEANSER –FULL DENTURE TABLETS * COREGA OXIGÉNIO BIO ATIVO 3 MINUTOS * COREGA OXÍGENO BIO-ACTIVO * COREGA TABLETE EFERVESCENTE * COREGA TABLETE ZA ČIŠĆENJE, 6 TABLETA * COREGA TABS * COREGA TABS DENTURE CLEANSING TABLETS * COREGA TABS 3 MINUTEN * COREGA TABS 3 MINUTES * COREGA TABS 3 MINUTOS * COREGA TABS 3 MINUTOS TABLETAS EFERVESCENTES * COREGA TABS DENTURE CLEANSING TABLETS * COREGA® BIO FORMULA "MYATNAYA SWEZEST" * MP_POLIGRIP 3 MINUTE DAILY CLEANSER_IE * POLIDENT 3 MINUTE ANTIBACTERIAL DENTURE CLEANSER * POLIDENT 3 MINUTE CLEANSER * POLIDENT 3 MINUTES CLEANSER (TABLET) * POLIDENT 3 MINUTES DENTURE CLEANSER * POLIDENT 3 MINUTES DENTURE CLEANSER TABLET * POLIDENT 3 MINUTES NETTOYANT * POLIDENT 3 MINUTI * POLIDENT AÇÃO DESINFETANTE * POLIDENT ACCIÓN DESINFECTANTE * POLIDENT ANTI-BACTÉRIEN NETTOYANT * POLIDENT CLEANSER TABLET (TRIPLE ACTION FORMULA) * POLIDENT COMBINE 3 MINUTE DENTURE TABLET * POLIDENT DENTURE 3 MINUTE CLEANSER * POLIDENT DENTURE CLEANSER * POLIDENT DENTURE CLEANSER - 3 MINUTE * POLIDENT DENTURE CLEANSER - DAILY CARE * POLIDENT DENTURE CLEANSER TABLET * POLIDENT FRESH ACTIVE EXPRESS 5 MINUTE DENTURE CLEANSER TABLET * POLIDENT INTENSA FRESCHEZZA * POLIDENT OVERNIGHT DENTURE CLEANSER * POLIDENT PURITÉ INTEGRALE NETTOYANT * POLIGRIP 3 MINUTE DAILY CLEANSER * SUPER COREGA DENTURE CLEANSER * КОРЕГА 3 МИНУТЫ * КОРЕГА® БИО ФОРМУЛА * 保丽净假牙清洁片(专为全/半口假牙设计) * 保麗淨假牙清潔錠(未滅菌) * 酵素入りポリデント * POLICARE DENTURE CLEANSER (2 OF 2) * POLICARE KIT CLEANSER (2 OF 2) * SODIUM PERCARBONATE AND SODIUM BICARBONATE, FORMULATED PRODUCT

Recommended use Medicinal Device

This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to medicinal use of the product. In this instance patients should consult prescribing information/package insert/product label or consult their pharmacist or physician. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate safety data sheet for each ingredient.

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

VERISK 3E GLOBAL INCIDENT RESPONSE

Telephone: +(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 Not classified.

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement Causes serious eye irritation.

Precautionary statement

Prevention Wash thoroughly after handling. Wear eye protection/face protection.

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	38 - < 39
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 - < 2
CITRIC ACID ANHYDROUS	BETA-HYDROXYTRICARBALLYLIC ACID ANHYDROUS CITRIC ACID 2-HYDROXY-1,2,3-PROPANETRICARBOXYLIC ACID CITIRIC ACID	77-92-9	20

Chemical name	Common name and synonyms	CAS number	%
POTASSIUM CAROATE	OXONE MONOPERSULFATE COMPOUND - PS16 POTASSIUM MONOPERSULFATE PENTAKALIUM-BIS(PEROXYMONOSUL FAT)-BIS(SULFAT) POTASSIUM PEROXYMONOSULFATE	70693-62-8	12
SODIUM CARBONATE	CARBONIC ACID, DISODIUM SALT BISODIUM CARBONATE DISODIUM CARBONATE SODA ASH	497-19-8	9.6
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
POLYETHYLENE GLYCOL (LIQUID)	ALPHA-HYDRO-OMEGA-HYDROXY-PO LY(OXY-1,2-ETHANEDIYL) ETHYLENE GLYCOL HOMOPOLYMER ETHYLENE GLYCOL POLYMER GLYCOLS, POLYETHYLENE PEG PEG 1000 PEG 1450 PEG 200 PEG 300 PEG 400 PEG 4000 PEG 600 PEG 6000 POLY(ETHYLENE ETHER)GLYCOL POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-HYDRO-.OMEGA. POLYETHYLENE GLYCOL POLYETHYLENE GLYCOL 1000 POLYETHYLENE GLYCOL 1450 POLYETHYLENE GLYCOL 200 POLYETHYLENE GLYCOL 300 POLYETHYLENE GLYCOL 400 POLYETHYLENE GLYCOL 4000 POLYETHYLENE GLYCOL 600 POLYETHYLENE GLYCOL 6000 POLYETHYLENGLYKOLE (PEG) (MOLMASSE 200-600) RTECS TQ3630000	25322-68-3	2.5
SODIUM BENZOATE	BENZOIC ACID, SODIUM SALT BENZOATE OF SODA SODUIM BENZOIC ACID	532-32-1	2.5
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	< 2
SODIUM LAURYL SULFOACETATE	SODIUM LAURYL SULFOACETATE LANTHANOL LAL NATRIUM-2-(DODECYLOXY)-2-OXOET HAN-1-SULFONAT	1847-58-1	< 2

Chemical name	Common name and synonyms	CAS number	%
PEPPERMINT OIL	OILS, PEPPERMINT OIL OF PEPPERMINT ESSENTIAL OILS, MENTHA PIPERITA ESSENTIAL PEPPERMINT OIL PEPPERMINT LEAF OIL PEPPERMINT TERPENES PEPPERMINT OIL (MENTHA PIPERITA) PEPPERMINT OIL (PEPPERMINT AMERICAN, MENTHA PIPERITA)	8006-90-4	0.3 - 0.8
SUBTILISIN	ALCALASEAXATASE MP ALK-ENZYME ALPHA AMYLASE BIOPRASE COLISTINASE EVERLASE PROTEIN DECOMPOSING ENZYMES PROTEOLYTIC ENZYME	9014-01-1	≤ 0.5
CORNMINT OIL TERPENELESS	CORNMINT OIL (MENTHA ARVENSIS OIL) MENTHA ARVENSIS OIL (CORNMINT) MENTHA OIL	68917-18-0	≤ 0.3
L-MENTHOL	CYCLOHEXANOL, 5-METHYL-2-(1-METHYLETHYL)-, (1R-(1ALPHA,2BETA,5ALPHA))- (1R-(1ALPHA,2BETA,5ALPHA))-5-METHYL-2-(1-METHYLETHYL)-CYCLOHEXANOL LEVOMENTHOL MENTHOL CHIRAL (L)-MENTHOL (1R,2S,5R)-5-METHYL-2-(1-METHYLETHYL)CYCLOHEXANOL (-)-MENTHOL	2216-51-5	≤ 0.2
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	< 0.1
FD&C YELLOW NO. 5	C.I. ACID YELLOW 23 C.I. 19140 C.I. FOOD YELLOW 4 TARTRAZINE YELLOW 5 FD AND C YELLOW NO. 5 EGG YELLOW A LAKE YELLOW LEMON YELLOW A TARTRAN YELLOW TARTRAZIN YELLOW LAKE 69 FD&C YELLOW NO. 5 (TARTRAZINE) ACID YELLOW 23	1934-21-0	< 0.1

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 (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	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	Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. 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	Do not taste or swallow. Avoid contact with eyes. Avoid prolonged exposure. 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	Store in original tightly closed container. Keep out of the reach of children.

8. Exposure controls/personal protection

Occupational exposure limits

GSK

Components	Type	Value	Form
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	>1000 - </=5000 mcg/m3 SKIN
POTASSIUM CAROATE (CAS 70693-62-8)	OHC	3	>10 - </=100 mcg/m3

GSK

Components	Type	Value	Form
PVP/VA S-630 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)	OHC	1	>1000 - </=5000 mcg/m3
SODIUM C12-18 ALKYL SULFATE (CAS 68955-19-1)	OHC	1	>1000 - </=5000 mcg/m3
SODIUM CARBONATE (CAS 497-19-8)	OHC	1	>1000 - </=5000 mcg/m3
SODIUM LAURYL SULFOACETATE (CAS 1847-58-1)	OHC	2	
SODIUM PERCARBONATE (CAS 15630-89-4)	OHC	1	1000 - </= 5000 mcg/m3 CORROSIVE
SUBTILISIN (CAS 9014-01-1)	OHC	5	SKIN SENSITISER
		5	RESPIRATORY SENSITISER

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
FD AND C BLUE NO. 1 ALUMINUM LAKE (CAS 68921-42-6)	TWA	1 mg/m3	Respirable fraction.
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
SUBTILISIN (CAS 9014-01-1)	STEL	0.00006 mg/m3

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value	Form
POLYETHYLENE GLYCOL (LIQUID) (CAS 25322-68-3)	TWA	10 mg/m3	Aerosol.

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 If contact is likely, safety glasses with side shields are recommended. Eye wash fountain is recommended.

Skin protection

Hand protection 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 Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. 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.
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 state	Solid.
Form	Tablet.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.

Solubility(ies)

Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	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.

Components	Species	Test Results
CITRIC ACID ANHYDROUS (CAS 77-92-9)		
Acute		
Oral		
LD50	Rat	11700 mg/kg
CORNMINT OIL TERPENELESS (CAS 68917-18-0)		
Acute		
Oral		
Liquid		
LD50	Rat	1240 mg/kg
FD AND C BLUE NO. 1 ALUMINUM LAKE (CAS 68921-42-6)		
Acute		
Oral		
LD50	Rat	> 2000 mg/kg
FD&C YELLOW NO. 5 (CAS 1934-21-0)		
Acute		
Oral		
LD50	Mouse	12750 mg/kg
L-MENTHOL (CAS 2216-51-5)		
Acute		
Oral		
LD50	Rat	2400 mg/kg
PEPPERMINT OIL (CAS 8006-90-4)		
Acute		
Oral		
LD50	Rat	2426 mg/kg
POLYETHYLENE GLYCOL (LIQUID) (CAS 25322-68-3)		
Acute		
Oral		
LD50	Rat	> 20 g/kg
POTASSIUM CAROATE (CAS 70693-62-8)		
Acute		
Oral		
LD50	Rat	2000 mg/kg
PVP/VA S-630 COPOLYMER (CAS 25086-89-9)		
Acute		
Oral		
LD50	Rat	> 630 mg/kg 5000 mg/kg
SODIUM BENZOATE (CAS 532-32-1)		
Acute		
Oral		
LD50	Rat	2000 mg/kg

Components	Species	Test Results
SODIUM BICARBONATE (CAS 144-55-8)		
Acute		
Oral		
LD50	Rat	>= 7300 mg/kg
		4220 - 8290 mg/kg
SODIUM C12-18 ALKYL SULFATE (CAS 68955-19-1)		
Acute		
Oral		
LD50	Rat	> 2000 mg/kg
SODIUM CARBONATE (CAS 497-19-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
Aerosol		
LC50	Rat	2300 mg/m3, 2 Hours
LC50	Rat	2.3 mg/l, 2 Hours
Oral		
LD50	Rat	2800 mg/kg
SODIUM LAURYL SULFOACETATE (CAS 1847-58-1)		
Acute		
Oral		
LD50	Rat	700 mg/kg
SODIUM PERCARBONATE (CAS 15630-89-4)		
Acute		
Oral		
LD50	Rat	1034 mg/kg
SUBTILISIN (CAS 9014-01-1)		
Acute		
Oral		
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

Serious eye damage/eye irritation Causes serious eye irritation.

Eye

SODIUM BENZOATE	Acute ocular irritation; OECD 405 Result: Mild irritant Species: Rabbit

Eye

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 1910.1001-1053)

Not listed.

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

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 The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	1516 mg/l, 96 hours Static test
		Golden ide/orfe (Adult Leuciscus idus)	440 - 760 mg/l, 96 hours Static test
L-MENTHOL (CAS 2216-51-5)			
Aquatic			
Acute			
Algae	EC50	Green algae (Desmodesmus subspicatus)	21.4 mg/l, 72 hours OECD 201
Crustacea	EC50	Water flea (Daphnia magna)	37.7 mg/l, 24 hours OECD 202
Fish	LC50	Zebra danio (Danio rerio)	15.6 mg/l, 96 hours EU Method C.1
Chronic			
Algae	NOEC	Green algae (Desmodesmus subspicatus)	9.65 mg/l, 72 hours OECD 201
POLYETHYLENE GLYCOL (LIQUID) (CAS 25322-68-3)			
Aquatic			
Acute			
Fish	LC50	Atlantic salmon (Salmo salar)	> 1000 mg/l, 96 hours
		Crucian carp (Carassius carassius)	> 20000 mg/l, 96 hours
		Rainbow trout,donaldson trout (Oncorhynchus mykiss)	> 20000 mg/l, 96 hours
SODIUM BENZOATE (CAS 532-32-1)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	> 100 mg/L, 96 hours Static test
Fish	EC50	Fathead minnow (Juvenile Pimephales promelas)	484 mg/L, 96 hours Flow-through test
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

Components		Species	Test Results
SODIUM CARBONATE (CAS 497-19-8)			
Aquatic			
Acute			
Algae	EC50	Green algae (Selenastrum capricornutum)	> 800 mg/l
Crustacea	EC50	Water flea (Daphnia magna)	265 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	300 mg/l, 96 hours Static test
		Fathead minnow (Juvenile Pimephales promelas)	< 850 mg/l, 96 hours Static test
		Mosquito fish (Adult Gambusia affinis)	740 mg/l, 96 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

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

Bioaccumulative potential Not available.

Partition coefficient n-octanol / water (log Kow)

L-MENTHOL	3.3
SODIUM BENZOATE	1.89
	-2.27

Bioconcentration factor (BCF)

L-MENTHOL	1 - 15 Measured, Cyprinus carpio, carp

Mobility in soil No data available.

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^3/mol Calculated, 25 °C
L-MENTHOL	0.000015 atm m^3/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.

Toxic Substances Control Act (TSCA)

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

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

Issue date 04-16-2021

Revision date 05-26-2021

Version # 03

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.