

## 1. Identification

<b>Product identifier</b>	<b>FLONASE NASAL SPRAY</b>
<b>Other means of identification</b>	
<b>Synonyms</b>	FLONASE ALLERGY RELIEF * FLIXONASE ALLERGY * FLIXONASE AQUEOUS NASAL SPRAY 0.05% * FLIXONASE ARI * FLIXONASE ALLERGY & HAYFEVER 24HOUR * OTRIVINE ANTI-ALLERGIE 50 MICROGRAM/DOSE NASAL SPRAY, SUSPENSION * FLIXONASE ALLERGY AND HAYFEVER 24HR (ANZ) * PIRINASE HAYFEVER RELIEF NASAL SPRAY * FLUTICASON PROPIONATE 0.5 MG/ML NASAL SPRAY, SUSPENSION * FORMULATION CODE FANS/C940 * FORMULATION CODE FANS/ESPR019 * FLUTICASON PROPIONATE, FORMULATED PRODUCT
<b>Recommended use</b>	Consumer Healthcare Product

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

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

### EMERGENCY CONTACTS

<b>Telephone:</b>	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
<b>Contract Number:</b>	335879

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Not classified.

### Label elements

<b>Hazard symbol</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	The mixture does not meet the criteria for classification.
<b>Precautionary statement</b>	
<b>Prevention</b>	Not available.
<b>Response</b>	Not available.
<b>Storage</b>	Not available.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

See section 11 of the SDS for additional information on health hazards.

**Supplemental information**

5% of the mixture consists of component(s) of unknown acute oral toxicity. 5% of the mixture consists of component(s) of unknown acute dermal toxicity. 5% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 5% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

**3. Composition/information on ingredients****Mixtures**

<b>Chemical name</b>	<b>Common name and synonyms</b>	<b>CAS number</b>	<b>%</b>
MICROCRYSTALLINE CELLULOSE	AVICEL PH MICROCRYSTALLINE CELLULOSE ALPHA-CELLULOSE AVICEL PH101 AVICEL PH102 AVICEL PH103 AVICEL PH105 AVICEL PH112 AVICEL PH200 AVICEL 1030W CELLULOSE (8CI9CI) CELLULOSE CRYSTALLINE CELLULOSE, FOOD GRADE CELPHERE CP203 CEOLUS KG-802 CRYSTALLINE CELLULOSE VIVAPUR VIVAPUR 101 VIVAPUR 102 VIVAPUR 112 VIVAPUR 200	9004-34-6	< 1
PHENETHYL ALCOHOL	(2-HYDROXYETHYL)BENZENE 2-PHENETHANOL 2-PHENETHYL ALCOHOL 2-PHENYLETHANOL 2-PHENYLETHYL ALCOHOL BENZENEETHANOL BENZYL CARBINOL BETA-(HYDROXYETHYL)BENZENE BETA-PEA BETA-PHENETHANOL BETA-PHENETHYL ALCOHOL BETA-PHENYLETHANOL BETA-PHENYLETHYL ALCOHOL PEA PHENETHANOL PHENYLETHANOL PHENYLETHYL ALCOHOL RTECS SG7175000 400 (GW ACN)	60-12-8	< 0.3
BENZALKONIUM CHLORIDE	ALKYLDIMETHYL BENZYL AMMONIUM CHLORIDE LEDA BENZALKONIUM CHLORIDE QUARternary AMMONIUM COMPOUNDS, ALKYBENZYLDIMETHYL, CHLORIDES ZEPHIRAN CHLORIDE ALKYL DIMETHYL BENZYLAMMONIUM CHLORIDE	8001-54-5	< 0.1

Chemical name	Common name and synonyms	CAS number	%
FLUTICASONE PROPIONATE	ANDROSTA-1,4-DIENE-17-CARBOTHIOIC ACID, 6,9-DIFLUORO-11-HYDROXY-16-METHYL-3-OXO-17-(1-OXOPROPOXY)-, S-(FLUOROMETHYL)ESTER, (6ALPHA,11BETA, 16 ALPHA, 17ALPHA)- CCI18781 FLUTICASONE 17-PROPIONATE FLUTICASONE THIOACID PROPIONATE E RTECS BV7980000 (1R,2S,8S,10S,11S,13R,14R,15S,17S)-1, 8-DIFLUORO-14-(((FLUOROMETHYL)SULFANYL]CARBONYL)-17-HYDROXY-2, 13,15-TRIMETHYL-5-OXOTETRACYCLO [8.7.0.0 <sup>2</sup> ,7.0 <sup>11</sup> ,15] HEPTADEC-3,6-DIEN-14-YL PROPANOATE (6S,8S,9R,10S,11S,13S,14S,16R,17R) - 6,9-DIFLUORO-17-(((FLUOROMETHYL) THIO) CARBONYL) -11-HYDROXY-10,13,16 - TRIMETHYL-3-OXO-6,7,8,9,10,11,12,13, 14,15,16,17 - DODECAHYDRO-3H-CYCLOPENTA[A]P HENANTHREN -17-YL PROPIONATE FLUTICASONE PROPIONATE (MICRONISED)	80474-14-2	0.05

Other components below reportable levels

90 - 100

#### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	The following adverse effects have been noted with therapeutic use of this material: Headache. Direct contact with eyes may cause temporary irritation. nosebleed,
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted. This material is non-flammable.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
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**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. Absorb in vermiculite, dry sand or earth and place into containers. 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**

Avoid prolonged exposure. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection****Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**GSK**

Components	Type	Value	Form
BENZALKONIUM CHLORIDE (CAS 8001-54-5)	OHC	3	>10 - <=100 mcg/m3 CORROSIVE
FLUTICASONE PROPIONATE (CAS 80474-14-2)	8 HR TWA	3 mcg/m3	SKIN
PHENETHYL ALCOHOL (CAS 60-12-8)	OHC	4	SKIN
	OHC	2	

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

Components	Type	Value	Form
MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

**US. ACGIH Threshold Limit Values**

Components	Type	Value
MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)	TWA	10 mg/m3

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

Components	Type	Value	Form
MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total

**Biological limit values**

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

**Exposure guidelines****Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Not normally needed. Wear safety glasses with side shields (or goggles).

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

Not normally needed. Wear appropriate chemical resistant gloves.

<b>Other</b>	Not normally needed. Wear suitable protective clothing as protection against splashing or contamination.
<b>Respiratory protection</b>	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.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	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>	Liquid.
<b>Form</b>	Suspension.Spray
<b>Color</b>	Not available.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Expected to be non-flammable based on components present.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.

**Ingestion**

May cause discomfort 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. The following adverse effects have been noted with therapeutic use of this material: nosebleed, Headache.

**Information on toxicological effects**

**Acute toxicity**

Not known. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

**Components**

**Species**

**Test Results**

**BENZALKONIUM CHLORIDE (CAS 8001-54-5)**

**Acute**

**Dermal**

LD50

Rat

1420 mg/kg

**Oral**

LD50

Rat

240 - 590 mg/kg

**FLUTICASONE PROPIONATE (CAS 80474-14-2)**

**Acute**

**Oral**

LD50

Rat

> 1000 mg/kg

**Subacute**

**Inhalation**

NOAEL

Rat

0.2 mcg/L/day, 28 Day

**Subchronic**

**Inhalation**

LOEL

Rat

3 mcg/kg/day, 26 weeks

NOAEL

Dog

68 mcg/kg/day, 26 weeks

Rat

14 mcg/kg/day, 26 weeks

**MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)**

**Acute**

**Dermal**

LD50

Rabbit

> 2000 mg/kg

**Oral**

LD50

Rat

> 2000 mg/kg

**Skin corrosion/irritation**

No adverse effects due to skin contact are expected.

**Corrosivity**

BENZALKONIUM CHLORIDE

Acute dermal irritation

Result: Corrosive

Species: Rabbit

FLUTICASONE PROPIONATE

OECD 404

Result: Negative

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

FLUTICASONE PROPIONATE

0

**Serious eye damage/eye irritation**

Direct contact with eyes may cause temporary irritation.

**Eye**

FLUTICASONE PROPIONATE

OECD 405

Result: Negative

Species: Rabbit

**Respiratory or skin sensitization**

None known.

**Respiratory sensitization**

None known.

**Skin sensitization**

This product is not expected to cause skin sensitization.

**Sensitization**

FLUTICASONE PROPIONATE

0 % OECD 406

Result: Negative

Species: Guinea pig

**Sensitization**

BENZALKONIUM CHLORIDE

Maximisation assay (Magnusson and Kligman); OECD 406  
Result: Negative**Germ cell mutagenicity**

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

**Mutagenicity**

FLUTICASONE PROPIONATE

Ames  
Result: Negative  
Bacterial High Throughput Fluctuation Test  
Result: Negative

BENZALKONIUM CHLORIDE

Chinese Hamster Ovarian Cell Test  
Result: Negative

FLUTICASONE PROPIONATE

Chinese Hamster Ovarian Cell Test  
Result: Negative  
Micronucleus Assay  
Result: Negative  
Species: Mouse  
Micronucleus Test  
Result: Negative  
Species: Mouse  
SOS/umu Assay  
Result: Negative  
Yeast  
Result: Negative**Carcinogenicity**

No data available to indicate product or any components present at greater than 0.1% are carcinogenic. Carcinogenic effects are not expected as a result of occupational exposure.

BENZALKONIUM CHLORIDE

2 year study, Male + Female  
Result: Negative  
Species: Rat

FLUTICASONE PROPIONATE

Inhalation  
Result: Negative  
Species: Rat  
oral  
Result: Negative  
Species: Mouse**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**

Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

**Reproductivity**

FLUTICASONE PROPIONATE

>= 25.7 mcg/kg/day Embryofetal Development  
Result: maternal toxicity, reduced foetal body weight; no malformations or other variations  
Species: Rat

>= 45 mcg/kg/day Embryofetal Development  
Result: cleft palate  
Species: Mouse

>= 50 mcg/kg/day Embryofetal Development  
Result: maternal toxicity; reduced foetal weight; foetal resorptions  
Species: Rabbit

0, Glucocorticoid

100 mcg/kg/day Embryofetal Development  
Result: reduced foetal bodyweight, minor skeletal variations  
Species: Rat

100 mcg/kg/day Female fertility (Segment I)  
Result: reduced foetal bodyweight, minor skeletal variations  
Species: Rat

50 mcg/kg/day Pre- and Post-natal development  
Result: maternal toxicity  
Species: Rat

<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not likely, due to the form of the product.
<b>Chronic effects</b>	Not available.
<b>Further information</b>	Occupational exposure to the substance or mixture may cause adverse effects.

## 12. Ecological information

**Ecotoxicity** No data available for this product. Not expected to be harmful to aquatic organisms.

Components	Species	Test Results
<b>BENZALKONIUM CHLORIDE (CAS 8001-54-5)</b>		
<i>Acute</i>		
	IC50	Activated sludge 14 mg/l
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Green algae (Chlorella pyrenoidosa) 0.056 mg/l, 72 hours
Crustacea	EC50	Water flea (Daphnia magna) 0.018 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus) 0.32 mg/l, 96 hours Static test
		Guppy (Juvenile Poecilia reticulata) 1.3 mg/l, 96 hours Static renewal test
		Orange-red killfish (Adult Oryzias latipes) 2.4 mg/l, 96 hours Static renewal test
		Rainbow trout (Adult Oncorhynchus mykiss) 1.15 mg/l, 96 hours Static test
Microtox	EC50	Microtox 1.43 mg/l, 10 minutes
<b>FLUTICASONE PROPIONATE (CAS 80474-14-2)</b>		
<i>Acute</i>		
	IC50	Activated sludge > 1000 mg/l, 3 hours
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea (Daphnia magna) > 0.55 mg/l, 48 hours Static test
<b>Terrestrial</b>		
<i>Acute</i>		
Earthworm	EC50	Manure worm (Eisenia foetida) > 1000 mg/kg, 28 days
<b>PHENETHYL ALCOHOL (CAS 60-12-8)</b>		
<i>Acute</i>		
	IC50	Activated sludge > 1000 mg/l, 3 hours
<i>Chronic</i>		
Other	LC50	Pseudomonas putida 1320 mg/l, 17 hours
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Green algae (Scenedesmus subspicatus) 490 mg/l, 72 hours
Crustacea	EC50	Water flea (Daphnia magna) 287 mg/l, 48 hours
Fish	EC50	Golden ide/orfe (Adult Leuciscus idus) > 220 to < 460 mg/l, 96 hours Static test

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

### Photolysis

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

PHENETHYL ALCOHOL 1.6 Days Estimated

### Hydrolysis

#### Half-life (Hydrolysis-neutral)

FLUTICASONE PROPIONATE > 1 Years Measured

## Biodegradability

### Percent degradation (Aerobic biodegradation-ready)

FLUTICASONE PROPIONATE < 44 %, 28 days  
PHENETHYL ALCOHOL 87 %, 14 days MITI test, Activated sludge

### Percent degradation (Aerobic biodegradation-soil)

FLUTICASONE PROPIONATE 9 - 50 %, 64 days

**Bioaccumulative potential** Not available.

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

FLUTICASONE PROPIONATE 2.78  
PHENETHYL ALCOHOL 1.36

### Bioconcentration factor (BCF)

PHENETHYL ALCOHOL 6 Estimated

**Mobility in soil** No data available.

### Adsorption

#### Sludge/biomass distribution coefficient - log Kd

FLUTICASONE PROPIONATE 3.13 - 3.55 Estimated

#### Soil/sediment sorption - log Koc

FLUTICASONE PROPIONATE 3.41 - 3.83 Measured  
PHENETHYL ALCOHOL 1.46 Estimated

### Mobility in general

#### Volatility

##### Henry's law

PHENETHYL ALCOHOL 0 atm m<sup>3</sup>/mol Measured, 25 C

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

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

**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** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 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 not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### 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** No**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations****California Proposition 65****WARNING:** This product can expose you to FLUTICASONE PROPIONATE, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**California Proposition 65 - CRT: Listed date/Developmental toxin**

FLUTICASONE PROPIONATE (CAS 80474-14-2) Listed: May 15, 1998

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	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	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

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

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

<b>Issue date</b>	05-24-2018
<b>Revision date</b>	05-02-2023
<b>Version #</b>	22
<b>HMIS® ratings</b>	Health: 1* Flammability: 0 Physical hazard: 0
<b>NFPA ratings</b>	Health: 1 Flammability: 0 Instability: 0
<b>References</b>	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: Product and Company Identification

Hazard(s) identification: Disposal

Composition / Information on Ingredients: Ingredients

Fire-fighting measures: Suitable extinguishing media

Exposure controls/personal protection: Appropriate engineering controls

Exposure controls/personal protection: Eye/face protection

Exposure controls/personal protection: Hand protection

Exposure controls/personal protection: PPE Symbols

Toxicological information: Chronic effects

Toxicological information: Reproductivity

Other information, including date of preparation or last revision: References

Other information, including date of preparation or last revision: List of abbreviations