



SAFETY DATA SHEET

1. Identification

Product identifier FLONASE SENSIMIST

Other means of identification

Synonyms FLUTICASONE FUROATE, FORMULATED PRODUCT

Recommended use Medicinal 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

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

CHEMTREC EMERGENCY PHONE NUMBERS -
TRANSPORT EMERGENCIES:
Customer Number: CCN9484
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	%
MICROCRYSTALLINE CELLULOSE	AVICEL PH MICROCRYSTALLINE CELLULOSE ALPHA-CELLULOSE AVICEL PH101 AVICEL PH102 AVICEL PH103 AVICEL PH105 AVICEL PH112 AVICEL PH200 CELLULOSE (8CI9CI) CELLULOSE CRYSTALLINE CELLULOSE, FOOD GRADE CRYSTALLINE CELLULOSE	9004-34-6	1.35

Chemical name	Common name and synonyms	CAS number	%
SODIUM CARBOXYMETHYL CELLULOSE	CELLULOSE, CARBOXYMETHYL ETHER, SODIUM SALT CELLULOSE SODIUM GLYCOLATE SODIUM CELLULOSE GLYCOLATE SODIUM GLYCOLATE CELLULOSE CARBOXYMETHYLCELLULOSE SODIUM CARBOXYMETHYLCELLULOSE SODIUM SALT ALMELOSE CMC-NA CMC CARBOXYMETHYL CELLULOSE SODIUM CARBOXYMETHYLCELLULOSE AQUALON(R) CELLULOSE GUM AQUACIDE II OHS80080 RTECS FJ5950000 CELLULOSE CARBOXY METHYL ETHER, SODIUM SALT	9004-32-4	0.15
BENZALKONIUM CHLORIDE	ALKYLDIMETHYL BENZYL AMMONIUM CHLORIDE LEDA BENZALKONIUM CHLORIDE QUARternary AMMONIUM COMPOUNDS, ALKYBENZYL DIMETHYL, CHLORIDES ZEPHIRAN CHLORIDE ALKYL DIMETHYL BENZYLAMMONIUM CHLORIDE QUATERNARY AMMONIUM COMPOUNDS, ALKYL (C12-C16) BENZYL DIMETHYL, CHLORIDES	8001-54-5	< 0.1
FLUTICASONE FUROATE	GW685698X FURAN-2-CARBOXYLIC ACID 6,9-DIFLUORO-17-FLUOROMETHYLSULFANYLCARBONYL-11-HYDROXY-10,13,16-TRIMETHYL-3-OXO-6,7,8,9,10,11,12,13,14,15,16,17 -DODECAHYDRO-3H-CYCLOPENTA(A) PHENANTHREN-17-YL ESTER 2080 (GW ACN) (6ALPHA,11BETA,16ALPHA,17ALPHA)-6,9-DIFLUORO-17-[[[(FLUOROMETHYL)THIO] CARBONYL] -11-HYDROXY-16-METHYL-3-OXOANDROSTA-1,4-DIEN-17-YL 2-FURANCARBOXYLATE	397864-44-7	0.05
POLYOXYETHYLENE (20) SORBITAN MONOLAURATE	OXYETHYLATED SORBITAN MONOLAURATE POLY(OXYETHYLENE SORBITAN LAURATE) SORBITAN POLYETHOXY MONOLAURATE E ETHOXYLATED SORBITAN MONOLAURATE POLYSORBATE 20 TWEEN 20 RTECS TR7400000	9005-64-5	< 0.1

Chemical name	Common name and synonyms	CAS number	%
ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT	(ETHYLENEDIAMINETETRAACETIC ACID), DISODIUM SALT ACETIC ACID, (ETHYLENEDINITRILLO) TETRA-, DISODIUM SALT CHELAPLEX DISODIUM EDETATE DISODIUM EDTA DISODIUM ETHYLENEDIAMINE TETRAACETATE DISODIUM SEQUESTRENE DISODIUM VERSENATE DISODIUM VERSENE EDETATE DISODIUM EDTA DISODIUM SALT ENDRATE DISODIUM N,N'-1,2-ETHYLENEDIYLBIS(N-(CARBOXYMETHYL)GLYCINE, DISODIUM SALT RTECS AH4375000 SELEKTON B2 SODIUM (DI) ETHYLENEDIAMINE TETRAACETATE TETRACEMATE DISODIUM	139-33-3	<=0.02%

Other components below reportable levels

90 - 100

*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.

Eye contact

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

Ingestion

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

Most important symptoms/effects, acute and delayed

The following adverse effects have been noted with therapeutic use of this material: headache; nosebleed.

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 current prescribing information or to the local poison control information center.

General information

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

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

This product is non-flammable.

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. 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 product from entering drains.

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.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Avoid prolonged exposure. Provide adequate ventilation. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

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

8. Exposure controls/personal protection

Occupational exposure limits

GSK

Components

Components	Type	Value	Form
ETHYLENEDIAMINETETR AACETIC ACID, DISODIUM SALT (CAS 139-33-3)	8 HR TWA	3000 mcg/m3	
FLUTICASONE FUROATE (CAS 397864-44-7)	OHC	1	
	8 HR TWA	6 mcg/m3	
	ADE	20 µg/day	
POLYOXYETHYLENE (20) SORBITAN MONOLAURATE (CAS 9005-64-5)	OHC	4	REPRODUCTIVE HAZARD
		4	SKIN
		1	>1000 - <=5000 mcg/m3

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 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.

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.

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 Liquid.

Form Suspension.Pump/tube.

Color White.

Odor Odorless.

Odor threshold Not available.

pH 5 - 6.5

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 applicable.

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) Soluble.

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

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

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	None 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.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	The following adverse effects have been noted with therapeutic use of this material: headache; nosebleed.

Information on toxicological effects

Acute toxicity	Expected to be a low hazard for usual industrial or commercial handling by trained personnel.
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Components	Species	Test Results
BENZALKONIUM CHLORIDE (CAS 8001-54-5)		
<u>Acute</u>		
Oral		
LD50	Rat	240 - 590 mg/kg
ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT (CAS 139-33-3)		
<u>Acute</u>		
Oral		
LD50	Rat	> 2000 mg/kg
FLUTICASONE FUROATE (CAS 397864-44-7)		
<u>Acute</u>		
Inhalation		
LCLo	Rat	> 0.133 mg/l
Oral		
LD50	Mouse	> 2000 mg/kg
	Rat	> 2000 mg/kg
<u>Subacute</u>		
Inhalation		
LOEL	Dog	<= 10.4 mg/kg/day, 4 weeks Pharmacological effects
		<= 9 mg/kg/day, 4 weeks Pharmacological effects
	Rat	<= 6.9 mg/kg/day, 4 weeks Pharmacological effects
<u>Subchronic</u>		
Inhalation		
LOEL	Dog	<= 13 mcg/kg/day, 39 weeks Pharmacological effects
		<= 11 mcg/kg/day, 13 weeks Pharmacological effects

Components	Species	Test Results
	Mouse	<= 7 mcg/kg/day, 13 weeks Pharmacological effects
	Rat	<= 24 mcg/kg/day, 13 weeks Pharmacological effects
		<= 20 mcg/kg/day, 26 weeks Pharmacological effects

MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Oral

LD50 Rat > 2000 mg/kg

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

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

Corrosivity

FLUTICASONE FUROATE

OECD 404

Result: Negative

Species: Rabbit

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Eye

FLUTICASONE FUROATE

0.05 % Acute Ocular irritation

Result: Negative

Species: Rabbit

Read across, Read across, Fluticasone propionate

Result: Negative

Species: Rabbit

Respiratory or skin sensitization

Respiratory sensitization None known.

Skin sensitization This product is not expected to cause skin sensitization.

Sensitization

FLUTICASONE FUROATE

Read across, Fluticasone propionate

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

FLUTICASONE FUROATE

Ames

Result: Negative

Chromosomal aberration assay

Result: Negative

Mouse Lymphoma Cell (L5178Y) Assay

Result: Negative

Rat Micronucleus Assay

Result: Negative

Carcinogenicity Not classifiable as to carcinogenicity to humans.

FLUTICASONE FUROATE

ICH S1B - Inhalation

Result: Negative

Species: Mouse

ICH S1B - Inhalation

Result: Negative

Species: Rat

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

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 FUROATE

8 mcg/kg/day Embryofetal Development

Result: NOAEL

Species: Rabbit

91 mcg/kg/day Female Fertility / Early Embryonic Development

Result: reduced foetal bodyweight, minor skeletal variations

Species: Rat

>= 47 mcg/kg/day Embryofetal Development

Result: Maternal weight loss/ Foetal abortion

Species: Rabbit

Male Fertility

Result: No effect

Species: Rat

Specific target organ toxicity - single exposure None known.

Specific target organ toxicity - repeated exposure Immune system. Adrenal glands. Bone tissue.

FLUTICASONE FUROATE

Read across, Glucocorticoid

Organ: Adrenals, Immune system, Bone, Eyes

Aspiration hazard Not likely, due to the form of the product.

Chronic effects Prolonged inhalation may be harmful.

Further information Caution - Pharmaceutical agent. Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information

Ecotoxicity Contains a substance which causes risk of hazardous effects to the environment.

Components		Species	Test Results
BENZALKONIUM CHLORIDE (CAS 8001-54-5)			
<i>Acute</i>			
	IC50	Activated sludge	14 mg/l
Aquatic			
<i>Acute</i>			
Algae	EC50	Green algae (<i>Chlorella pyrenoidosa</i>)	0.056 mg/l, 72 hours
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	0.018 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult <i>Lepomis macrochirus</i>)	0.32 mg/l, 96 hours Static test
		Guppy (Juvenile <i>Poecilia reticulata</i>)	1.3 mg/l, 96 hours Static renewal test
		Orange-red killfish (Adult <i>Oryzias latipes</i>)	2.4 mg/l, 96 hours Static renewal test
		Rainbow trout (Adult <i>Oncorhynchus mykiss</i>)	1.15 mg/l, 96 hours Static test
Microtox	EC50	Microtox	1.43 mg/l, 10 minutes
ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT (CAS 139-33-3)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	19.6 mg/l, 48 hours Static test
	NOEC	Water flea (<i>Daphnia magna</i>)	3.7 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Adult <i>Lepomis macrochirus</i>)	47.5 mg/l, 96 hours Static test
		Channel catfish (Adult <i>Ictalurus punctatus</i>)	148.4 mg/l, 96 hours Static test

Components		Species	Test Results
		Fathead minnow (Adult Pimephales promelas)	68.8 mg/l, 96 hours Static test
FLUTICASONE FUROATE (CAS 397864-44-7)			
Aquatic			
<i>Acute</i>			
Activated Sludge Respiration	IC50	Residential sludge	> 1000 mg/l, 3 hours Nominal, OECD 209
	NOEC	Residential sludge	1000, 3 hours Nominal
Crustacea	EC50	Water flea (Daphnia magna)	> 4.2 mg/l, 48 hours Static renewal test, OECD 202
	NOEC	Water flea (Daphnia magna)	4.2 mg/l, 48 hours Static renewal test
Terrestrial			
<i>Acute</i>			
Earthworm	EC50	Manure worm (Eisenia foetida)	> 1000 mg/kg, 14 days Measured, OECD 207
	NOEC	Manure worm (Eisenia foetida)	1000 mg/kg, 14 days
SODIUM CARBOXYMETHYL CELLULOSE (CAS 9004-32-4)			
<i>Acute</i>			
	IC50	Activated sludge	> 1000 mg/l, 3 hours
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	> 100 mg/l, 48 hours Static test
	NOEC	Water flea (Daphnia magna)	100 mg/l, 48 hours Static test
Fish	EC50	Rainbow trout (Adult Oncorhynchus mykiss)	> 20000 mg/l, 96 hours Static test

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

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation-inherent)

ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT 37 %, 14 days Zahn-Wellens, Activated sludge

FLUTICASONE FUROATE 0 %, 28 days Modified MITI (II) Test., Activated sludge

SODIUM CARBOXYMETHYL CELLULOSE 7 %, 28 days Zahn-Wellens, Activated sludge

Percent degradation (Aerobic biodegradation-ready)

ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT 28 %, 28 days Sturm test

Percent degradation (Aerobic biodegradation-soil)

ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT 13 - 45 %, 15 weeks

FLUTICASONE FUROATE 2 - 3 %, 64 days, Soil

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

FLUTICASONE FUROATE 2.61 (Measured).

Bioconcentration factor (BCF)

ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT 0.8 - 1.8 Measured, Lepomis macrochirus, bluegill sunfish

Mobility in soil

Adsorption

Soil/sediment sorption - log Koc

FLUTICASONE FUROATE 3.6 - 4.2 Measured

Mobility in general Not available.

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 discharge into drains, water courses or onto the ground. Dispose in accordance with all applicable 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). Avoid discharge into water courses or onto the ground.
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 established.

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)	Not listed.
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not regulated.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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	
US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)	Not listed.

US. Massachusetts RTK - Substance List

MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)

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

MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)

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

MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)

US. Rhode Island RTK

Not regulated.

US. 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.

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

*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**Issue date** 08-18-2016**Version #** 01**Further information** HMIS® is a registered trade and service mark of the ACA.**HMIS® ratings** Health: 1*
Flammability: 0
Physical hazard: 0**NFPA ratings** Health: 1
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.