SAFETY DATA SHEET

1. Identification

Product identifier **BECONASE HAYFEVER ALLERGY SPRAY**

Other means of identification Not available.

Synonym(s) BECONASE AQ NASAL SPRAY * BECONASE AQUEOUS NASAL SPRAY 42 MCG * BECONASE AQUEOUS NASAL SPRAY 50 MCG * BECONASE AQ NASAL SPRAY 0.042% * BECONASE ALLERGY AQUEOUS NASAL SPRAY * BECOTIDE AQUEOUS NASAL SPRAY * BECLOSOL AQ NASAL * NDC NO 0173-0388-79 * BECLOMETHASONE DIPROPIONATE, 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
EMERGENCY PHONE NUMBERS -
TRANSPORT EMERGENCIES::
US / International toll call +1 703 527 3887
available 24 hrs/7 days; multi-language response

2. Hazard(s) identification

Classified hazards

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

Label elements

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

Hazard(s) not otherwise classified (HNOC)

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

3. Composition/information on ingredients

Mixtures

Hazardous components

Chemical name	Common name and synonyms	CAS number	%
MICROCRYSTALLINE CELLULOSE	AVICEL PH MICROCRYSTALLINE CELLULOSE ABICEL ALPHA-CELLULOSE ARBOCEL ARBOCELL B 600/30 ARBOCELL BC 200 AVICEL PH101 AVICEL PH102 AVICEL PH103 AVICEL PH105 AVICEL PH112 AVICEL PH200 BETA-AMYLOSE CELLEX MX CELLULOSE (8CI9CI) CELLULOSE 248 CELLULOSE CRYSTALLINE CELLULOSE, FOOD GRADE CELUFI CRYSTALLINE CELLULOSE EMOCEL MCC MICROCRYSTALLINE CELLULOSE POWDERED CELLULOSE RTECS FJ5691460 SOLKA FLOC BW200 CELLULOSA (FIBRA PAPEL) CELLULOSE (PAPER FIBRES) CELLULOSE-PAPER FIBER CELULOSA (FIBRA PAPEL) TSELLULOOS	9004-34-6	1 - < 3
BENZALKONIUM CHLORIDE	ALKYLDIMETHYL BENZYL AMMONIUM CHLORIDE LEDA BENZALKONIUM CHLORIDE QUARTERNARY AMMONIUM COMPOUNDS, ALKYBENZYLDIMETHYL, CHLORIDES ZEPHIRAN CHLORIDE ALKYL DIMETHYL BENZYLAMMONIUM CHLORIDE QUATERNARY AMMONIUM COMPOUNDS, ALKYL (C12-C16) BENZYLDIMETHYL, CHLORIDES	8001-54-5	0.4
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

Hazardous components

Chemical name	Common name and synonyms	CAS number	%
POLYOXYETHYLENE (20) SORBITAN MONOOLEATE	HEXAETHYLENE GLYCOL SORBITAN MONOOLEATE TWEEN 80A TWEEN 81 OHS40200 RTECS WG2932500 SORBITAN, MONO-9-OCTADECENOATE, POLY(OXY-1,2-ETHANEDIYL) DERIVS., (Z)- (Z)-MONO-9-OCTADECENOATE SORBITAN, POLY(OXY-1,2-ETHANEDIYL) DERIVS. SORBITAN, MONOOLEATE, POLYOXYETHYLENE DERVS. ETHOXYLATED SORBITAN MONOOLEATE POLYOXYETHYLENESORBITAN OLEATE POLYSORBAN 80 POLYSORBATE 80 SORBITAN MONOOLEATE TWEEN 80 TWEEN (R) 80 TWEEN 81 NF TWEEN 80 NF EMSORB 2722 POE (20) SORBITAN MONOOLEATE PROTASORB O-20 (PROTAMEEN CHEMICALS INC.) ETHYLENE OXIDE-SORBITAN MONOOLEATE POLYMER	9005-65-6	< 0.1
BECLOMETHASONE DIPROPIONATE	9.ALPHA.-CHLORO-11.BETA.,17.ALPHA.,21 DIENE-3,20-DIONE 17,21-DIPROPIONATE AH 15270XX BDP 84 (GW ACN) (11BETA,16BETA)-9-CHLORO-11-HYDROX DIPROPANOATE	5534-09-8	0.04< 0.05
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 Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

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 Immediately flush eyes with plenty of water for at least 15 minutes.

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

Most important symptoms/effects, acute and delayed The following adverse effects have been noted with therapeutic use of this material: headache; nosebleed; drying of the nasal passages; Irritation of nose and throat.

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 centre.

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

5. Fire-fighting measures

Suitable extinguishing media Water fog. 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 Move containers from fire area if you can do so without risk.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. 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 MSDS.

Methods and materials for containment and cleaning up

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

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

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the MSDS).

8. Exposure controls/personal protection

Occupational exposure limits

GSK

Components	Type	Value	Note
BECLOMETHASONE DIPROPIONATE (CAS 5534-09-8)	8 HR TWA	6 mcg/m3	
	OHC	4	REPRODUCTIVE HAZARD
		4	SKIN
MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)	OHC	1	
PHENETHYL ALCOHOL (CAS 60-12-8)	OHC	2	
POLYOXYETHYLENE (20) SORBITAN MONOOLEATE (CAS 9005-65-6)	OHC	1	

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)	REL	5 mg/m3	Respirable.
		10 mg/m3	Total

Biological limit values

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

Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) 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. An Exposure Control Approach (ECA) is established for operations involving this material based upon the OEL/Occupational Hazard Category and the outcome of a site- or operation-specific risk assessment.

Individual protection measures, such as personal protective equipment

Eye/face protection	Not normally needed.
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. Glove selection must take into account any solvents and other hazards present.
Other	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	No personal respiratory protective equipment normally required.
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	Liquid.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
pH	6 - 6.8
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)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Other information

Percent volatile	93.1 % estimated

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	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Health injuries are not known or expected under normal use. However, ingestion is not likely to be a primary route of occupational 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.
Symptoms related to the physical, chemical and toxicological characteristics	The following adverse effects have been noted with therapeutic use of this material: headache; nosebleed; drying of the nasal passages; Irritation of nose and throat..

Information on toxicological effects

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

Components	Species	Test Results
BECLOMETHASONE DIPROPIONATE (CAS 5534-09-8)		
Acute		
Oral		
LD50	Rat	> 3750 mg/kg
Chronic		
Inhalation		
LOEL	Dog	0.5 mg/kg/day, 52 weeks, Pharmacological effects
Presumed Non-Toxic		
Oral		
LOEL	Dog	99999 mg/kg/day, 52 weeks, Pharmacological effects
Subchronic		
Inhalation		
LOEL	Rat	0.06 mg/kg/day, 6 months, Pharmacological effects
Oral		
LOEL	Rat	0.16 mg/kg/day, 6 months, Pharmacological effects
BENZALKONIUM CHLORIDE (CAS 8001-54-5)		
Acute		
Oral		
LD50	Rat	240 - 590 mg/kg
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

BECLOMETHASONE DIPROPIONATE	OECD 404 Result: Non-irritant Species: Rabbit

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

Eye

BECLOMETHASONE DIPROPIONATE	OECD 405 Result: Mild irritant Species: Rabbit

Respiratory sensitization None known.

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

Sensitization

BECLOMETHASONE DIPROPIONATE	SAR / QSAR, DEREK, Lhasa, UK Result: Positive

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

BECLOMETHASONE DIPROPIONATE	Ames Result: Negative Chromosomal Aberration Assay In Vitro Result: Negative HPRT gene mutation in human lymphocytes Result: Negative Micronucleus Test Result: Negative Species: Mouse

Carcinogenicity Not classifiable as to carcinogenicity to humans.

BECLOMETHASONE DIPROPIONATE	2 year bioassay Result: Negative Species: Rat

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

BECLOMETHASONE DIPROPIONATE	Embryofetal Development, Inhalation Result: Developmental effects including cleft palate Species: Mouse Embryofetal Development, Inhalation Result: Developmental effects including cleft palate, foetal lethality Species: Mouse Embryofetal Development, Inhalation Result: Maternal toxicity -Delayed skeletal development in foetuses Species: Rat Embryofetal Development, Inhalation Result: No effect Species: Mouse Embryofetal Development, Oral Result: Developmental effects including cleft palate Species: Rabbit Embryofetal Development, Oral Result: Developmental effects including cleft palate, foetal lethality Species: Mouse Embryofetal Development, Oral Result: No effect Species: Mouse Embryofetal Development, Oral Result: Reduced survival, reduced birth rate, reduced growth rate Species: Rat Embryofetal Development, Oral Result: maternal toxicity Species: Rabbit Embryofetal Development, iOral Result: Maternal toxicity; adverse foetal effects Species: Rat Fertility, Female Result: Foetal toxicity, increased resorptions. Species: Mouse Fertility, Male Result: No effect on mating, or incidence of pregnancy Species: Mouse Fertility, Male Result: Reduced numbers of pregnant femals at higher doses Species: Rat

Specific target organ toxicity - single exposure	None known.
Specific target organ toxicity - repeated exposure	Adrenal glands. Bone tissue. Immune system.
Aspiration hazard	Not likely, due to the form of the product.
Further information	Caution - Pharmaceutical agent.

12. Ecological information

Ecotoxicity No information is available about the potential of this product to produce adverse environmental effects. The product contains a substance which may cause long-term adverse effects in the environment.

Components		Species	Test Results
BECLOMETHASONE DIPROPIONATE (CAS 5534-09-8)			
Aquatic			
Acute			
Activated Sludge Respiration	IC50	Residential sludge	> 97.2 mg/l, 3 hours, OECD 209
Crustacea	EC50	Water flea (Daphnia magna)	> 3.74 mcg/l, 48 hours, Static test, OECD 202
	NOEC	Water flea (Daphnia magna)	3.74 mcg/l, 48 hours, Static test
Chronic			
Crustacea	EC50	Sediment-dwelling oligochaete (Lumbriculus variegatus)	> 500 mg/kg, 28 days, Measured, OECD 218
	NOEC	Sediment-dwelling oligochaete (Lumbriculus variegatus)	500 mg/kg, 28 days
Terrestrial			
Acute			
Earthworm	EC50	Manure worm (Eisenia foetida)	> 750 mg/kg, 28 days, Static test, OECD 207
BENZALKONIUM CHLORIDE (CAS 8001-54-5)			
Acute			
	IC50	Activated sludge	14 mg/l
Aquatic			
Acute			
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 Oncorhyncus mykiss)	1.15 mg/l, 96 hours, Static test
Microtox	EC50	Microtox	1.43 mg/l, 10 minutes
PHENETHYL ALCOHOL (CAS 60-12-8)			
Acute			
	IC50	Activated sludge	> 1000 mg/l, 3 hours
Chronic			
Other	LC50	Pseudomonas putida	1320 mg/l, 17 hours
Aquatic			
Acute			
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 - 460 mg/l, 96 hours, Static test

Components	Species	Test Results
POLYOXYETHYLENE (20) SORBITAN MONOOLEATE (CAS 9005-65-6)		
Aquatic		
Acute		
Fish	EC50 Rainbow trout (Juvenile Oncorhyncus mykiss)	471 mg/l, 96 hours

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

Persistence and degradability

Photolysis

Half-life (Photolysis-atmospheric)

PHENETHYL ALCOHOL	1.6 Days Estimated

UV/visible spectrum wavelength

BECLOMETHASONE DIPROPIONATE	240

Hydrolysis

Half-life (Hydrolysis-acidic)

BECLOMETHASONE DIPROPIONATE	> 1 Years Measured

Half-life (Hydrolysis-basic)

BECLOMETHASONE DIPROPIONATE	2.9 Hours Measured

Half-life (Hydrolysis-neutral)

BECLOMETHASONE DIPROPIONATE	166 Hours Measured

Biodegradability

Percent degradation (Aerobic biodegradation-soil)

BECLOMETHASONE DIPROPIONATE	21.9 - 61.5 %, 64 days

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

PHENETHYL ALCOHOL	1.36
BECLOMETHASONE DIPROPIONATE	3.49

Bioconcentration factor (BCF)

PHENETHYL ALCOHOL	6 Estimated

Mobility in soil

Adsorption

Sludge/biomass distribution coefficient - log Kd

BECLOMETHASONE DIPROPIONATE	1.61 - 3.73 Estimated

Soil/sediment sorption - log Koc

BECLOMETHASONE DIPROPIONATE	1.88 - 4 Measured
PHENETHYL ALCOHOL	1.46 Estimated

Mobility in general

Volatility

Henry's law

BECLOMETHASONE DIPROPIONATE	0.000001 atm m^3/mol Calculated, 20 C
PHENETHYL ALCOHOL	0 atm m^3/mol Measured, 25 C

Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. 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 a dangerous good.

IMDG

Not regulated as a dangerous good.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

MARPOL Annex II applies to liquids used in a ship's operation that pose a threat to the marine environment. These materials may not be transported in bulk.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 304 Emergency release notification

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

No

SARA 311/312 Hazardous chemical

No

NFPA ratings

Health: 1
Flammability: 0
Instability: 0

HMIS® ratings

Health: 1*
Flammability: 0
Physical hazard: 0

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.

Food and Drug Administration (FDA)

Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)

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

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Developmental toxin

BECLOMETHASONE DIPROPIONATE (CAS 5534-09-8) Listed: May 15, 1998

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
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)	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

Issue date 12-09-2013

Revision date 12-09-2013

Version # 15

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

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.

Revision Information
Product and Company Identification: Business Units
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties:
Ecological Information: GSK Environmental Hazard Assessment Concentration
Transport Information: Agency Name, Packaging Type, and Transport Mode Selection
Regulatory Information: United States
GHS: Classification