

1. Identification

Product identifier	ADVAIR HFA
Other means of identification	Not available.
Synonym(s)	ADVAIR HFA INHALATION AEROSOL * SERETIDE INHALER HFA * SERETIDE EVOHALER * BREXOTIDE INHALER HFA 134A * FLIXOVENT INHALER HFA 134A * SERETAIDE INHALER HFA 134A * VIANI EVOHALER * VIANI INHALER HFA * VIANI MITE 25 MCG/50 MCG DOSIER-AEROSOL FCKW-FREI * VIANI 25 MCG/125 MCG DOSIER-AEROSOL FCKW-FREI * VIANI FORTE 25 MCG/250 MCG DOSIER-AEROSOL FCKW-FREI * SALMETEROL/FLUTICASONE PROPIONATE INHALATION AEROSOL * SALMETEROL/FLUTICASONE PROPIONATE INHALER 25/50 MCG 120 ACTN * SALMETEROL/FLUTICASONE PROPIONATE INHALER 25/125 MCG 120 ACTN * SALMETEROL/FLUTICASONE PROPIONATE INHALER 25/250 MCH 120 ACTN * SALMETEROL/FLUTICASONE PROPIONATE 134A 120 ACTN * SALMETEROL XINAFOATE AND FLUTICASONE PROPIONATE, 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	%
1,1,1,2-TETRAFLUOROETHANE	1,2,2,2-TETRAFLUOROETHANE C2H2F4 OHS76816	811-97-2	99.6 - 99.87

Hazardous components			
Chemical name	Common name and synonyms	CAS number	%
FLUTICASONE PROPIONATE	CCI18781 FLUTICASONE THIOACID PROPIONATE ANDROSTA-1,4-DIENE-17-CARBOTHIOIC ACID, 6,9-DIFLUORO-11-HYDROXY-16-METHYL-3- S-(FLUOROMETHYL)ESTER, (6ALPHA,11BETA, 16 ALPHA, 17ALPHA)- FLUTICASONE 17-PROPIONATE (6ALPHA,11BETA,16ALPHA, 17ALPHA)-6,9-DIFLUORO-11-HYDROXY-16 -DIENE-17-CARBOTHIOIC ACID S-(FLUOROMETHYL) ESTER S-FLUOROMETHYL 6ALPHA,9ALPHA-DIFLUORO-11BETA-HYDROXY- S-FLUOROMETHYL 6 ALPHA, 9 ALPHA-DIFLUORO-11 BETA-HYDROXY-16 ALPHA-METHYL-3-OXO-17 ALPHA-PROIONYLOXYANDRIOSTA-1,4-DIENE-17- BETA-CARBOTHIOATE 151 (GW ACN) RTECS BV7980000 (6ALPHA,11BETA,16ALPHA, 17ALPHA)-6,9-DIFLUORO-17-[[[(FLUOROMETHYL) PROPANOATE	80474-14-2	0.08 - 0.34
SALMETEROL XINAFOATE	GR 33343G SALMETEROL HYDROXYNAPHTHOATE 4-HYDROXY-ALPHA'-(((6-(4-PHENYLBUTOXY)-2- 1-HYDROXY-2-NAPHTHALENECARBOXYL)-1- 144 (GW ACN)	94749-08-3	0.05

*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. Call a physician if symptoms develop or persist.
Skin contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	The following adverse effects have been noted with therapeutic use of this material: increased susceptibility to infection; headache; inflamed nasal cavity; back pain; joint pain; coughing; nausea; vomiting.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	If you feel unwell, seek medical advice (show the label where possible).

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	Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so without risk.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.

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 personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.
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Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk. Collect spillage. Dike far ahead of spill for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

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). The recommended temperature for storage is 15-25 °C.

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

Components	Type	Value	Note
FLUTICASONE PROPRIONATE (CAS 80474-14-2)	8 HR TWA	3 mcg/m3	
	OHC	4 4	SKIN REPRODUCTIVE HAZARD
SALMETEROL XINAFOATE (CAS 94749-08-3)	8 HR TWA	1 mcg/m3	
	OHC	5	

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

Components	Type	Value
1,1,1,2-TETRAFLUOROETHANE (CAS 811-97-2)	TWA	4240 mg/m3
		1000 ppm

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**

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

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

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.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

9. Physical and chemical properties**Appearance****Physical state**

Solid.

Form

Aerosol.

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)	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	Hazardous polymerization does not occur.
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.
Inhalation	Health injuries are not known or expected under normal use. Prolonged inhalation may be harmful.
Skin contact	Health injuries are not known or expected under normal use.
Eye contact	Health injuries are not known or expected under normal use.

Symptoms related to the physical, chemical and toxicological characteristics	The following adverse effects have been noted with therapeutic use of this material: increased susceptibility to infection; headache; inflamed nasal cavity; back pain; joint pain; coughing; nausea; vomiting.
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Information on toxicological effects

Acute toxicity	Health injuries are not known or expected under normal use.
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Components	Species	Test Results
FLUTICASONE PROPIONATE (CAS 80474-14-2)		
Acute		
<i>Oral</i>		
LD50	Rat	> 1000 mg/kg
Subacute		
<i>Inhalation</i>		
NOAEL	Rat	0.2 mcg/L/day, 28 Day
Subchronic		
<i>Inhalation</i>		
LOEL	Rat	3 mcg/kg/day, 26 weeks

Components	Species	Test Results
NOAEL	Dog	68 mcg/kg/day, 26 weeks
	Rat	14 mcg/kg/day, 26 weeks
SALMETEROL XINAFOATE (CAS 94749-08-3)		
Acute		
<i>Inhalation</i>		
LC50	Rat	> 75 mg/l
<i>Oral</i>		
LD50	Rat	> 1000 mg/kg
Subchronic		
<i>Inhalation</i>		
LOEL	Rat	>= 0.16 mg/kg/day, 26 weeks, adrenergic effects
<i>Oral</i>		
NOAEL	Rat	0.2 mg/kg/day, 26 weeks, adrenergic effects

* 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 PROPIONATE	OECD 404
	Result: Negative
SALMETEROL XINAFOATE	Result: Irritant
	Species: Human

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

FLUTICASONE PROPIONATE	0
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Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Eye

FLUTICASONE PROPIONATE	OECD 405
	Result: Negative
	Species: Rabbit
SALMETEROL XINAFOATE	OECD 405
	Result: Severe
	Species: Rabbit

Respiratory sensitization Due to lack of data the classification is not possible.

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

Maximisation assay (Magnusson and Kligman)

SALMETEROL XINAFOATE	Result: Negative
	Species: Guinea pig

Sensitization

FLUTICASONE PROPIONATE	0 % OECD 406
	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.

FLUTICASONE PROPIONATE	Ames
	Result: Negative
SALMETEROL XINAFOATE	Ames - Screen
	Result: Negative
FLUTICASONE PROPIONATE	Bacterial High Throughput Fluctuation Test
	Result: Negative
	Chinese Hamster Ovarian Cell Test
	Result: Negative
SALMETEROL XINAFOATE	Chromosomal aberration assay
	Result: Negative
	GreenScreen Assay
	Result: Negative
	HPRT gene mutation in human lymphocytes
	Result: Negative
	High throughput fluctuation test (HTFT)
	Result: Negative
	In vitro cytogenetic Assay
	Result: Negative

SALMETEROL XINAFOATE	L5178Y mouse lymphoma thymidine kinase locus assay
FLUTICASONE PROPIONATE	Result: Negative
	Micronucleus Assay
	Result: Negative
	Species: Mouse
	Micronucleus Test
	Result: Negative
	Species: Mouse
SALMETEROL XINAFOATE	Rat Micronucleus Assay
FLUTICASONE PROPIONATE	Result: Negative
	SOS/umu Assay
	Result: Negative
	Yeast
	Result: Negative
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Not classifiable as to carcinogenicity to humans.
SALMETEROL XINAFOATE	>= 0.15 mg/kg/day, Species-specific
	Result: Positive
	Species: Rat
	Organ: Pituitary/ Uterus
	>= 1.4 mg/kg/day, Species-specific
	Result: Positive
	Species: Mouse
	Organ: uterus
FLUTICASONE PROPIONATE	Inhalation
	Result: Negative
	Species: Rat
	dermal
	Result: Negative
	Species: Mouse
	oral
	Result: Negative
	Species: Mouse
Reproductive toxicity	Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.
SALMETEROL XINAFOATE	0.1 mg/kg/day Reproductive performance and development of two untreated generations, NOEL
	Species: Rat
	Notes: GR33343X
	1 mg/kg/day Reproductive performance and development of two untreated generations
	Species: Rat
	Organ: Skeletal effects
	Notes: GR33343X
FLUTICASONE PROPIONATE	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
SALMETEROL XINAFOATE	2 mg/kg/day Reproductive performance and development of two untreated generations, NOAEL
	Species: Rat
	Notes: GR33343G
FLUTICASONE PROPIONATE	50 mcg/kg/day Pre- and Post-natal development
	Result: maternal toxicity
	Species: Rat
SALMETEROL XINAFOATE	>= 1 mg/kg/day Embryo-foetal development- Oral,
	Species-specific
	Species: Rabbit
	Organ: Skeletal effects, open eye, cleft palate
	Notes: GR33343G
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

Specific target organ toxicity - single exposure Heart.

Specific target organ toxicity - repeated exposure Adrenal glands. Bone tissue. Immune system. May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Due to lack of data the classification is not possible.

Further information Caution - Pharmaceutical agent.

12. Ecological information

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

Components		Species	Test Results
FLUTICASONE PROPIONATE (CAS 80474-14-2)			
<i>Acute</i>			
	IC50	Activated sludge	> 1000 mg/l, 3 hours
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	> 0.55 mg/l, 48 hours, Static test
Terrestrial			
<i>Acute</i>			
Earthworm	EC50	Manure worm (Eisenia foetida)	> 1000 mg/kg, 28 days
SALMETEROL XINAFOATE (CAS 94749-08-3)			
Aquatic			
<i>Acute</i>			
Activated Sludge Respiration	IC50	Residential sludge	> 998 mg/l, 3 hours
Algae	EC50	Green algae (Scenedesmus subspicatus)	4 mg/l, 72 hours, Measured
	NOEC	Green algae (Scenedesmus subspicatus)	1.9 mg/l
Crustacea	EC50	Water flea (Daphnia pulex)	20 mg/l, 48 hours
	NOEC	Water flea (Daphnia pulex)	6.7 mg/l, 48 hours
Fish	EC50	Rainbow trout (Juvenile Oncorhynchus mykiss)	35 mg/l, 96 hours, Static renewal test
	NOEC	Rainbow trout (Juvenile Oncorhynchus mykiss)	7.5 mg/l
<i>Chronic</i>			
Crustacea	LOEC	Water flea (Ceriodaphnia dubia)	5 mg/l, 8 days, Static renewal test
	NOEC	Water flea (Ceriodaphnia dubia)	1.6 mg/l, 8 days
Terrestrial			
<i>Acute</i>			
Earthworm	EC50	Manure worm (Eisenia foetida)	334 mg/kg, 28 days
	NOEC	Manure worm (Eisenia foetida)	209 mg/kg, 28 days

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

Persistence and degradability

Photolysis

UV/visible spectrum wavelength

SALMETEROL XINAFOATE 338 nm

Hydrolysis

Half-life (Hydrolysis-neutral)

FLUTICASONE PROPIONATE > 1 Years Measured

SALMETEROL XINAFOATE > 1 Years Measured

Biodegradability**Percent degradation (Aerobic biodegradation-soil)**

FLUTICASONE PROPIONATE	9 - 50 %, 64 days
SALMETEROL XINAFOATE	29.9 - 49.9 %, 64 days

Bioaccumulative potential**Partition coefficient n-octanol / water (log Kow)**

1,1,1,2-TETRAFLUOROETHANE	1.274
SALMETEROL XINAFOATE	2.1 (Measured).
FLUTICASONE PROPIONATE	2.78

Mobility in soil**Adsorption****Sludge/biomass distribution coefficient - log Kd**

FLUTICASONE PROPIONATE	3.13 - 3.55 Estimated
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Soil/sediment sorption - log Koc

FLUTICASONE PROPIONATE	3.41 - 3.83 Measured
SALMETEROL XINAFOATE	3.84 - 4.52

Mobility in general**Distribution****Octanol/water distribution coefficient log DOW**

SALMETEROL XINAFOATE	1.32, pH 9
	1.71, pH 7
	2.06, pH 5

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**

UN number	UN1950
UN proper shipping name	Aerosols, non-flammable
Transport hazard class(es)	2.2
Subsidiary class(es)	Not available.
Packing group	Not available.
Special precautions for user	Not available.
Labels required	2.2
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None
Qty limits cargo	150 kg
Qty limits passenger	75 kg

IATA

UN number	UN1950
UN proper shipping name	Aerosols, non-flammable
Transport hazard class(es)	2.2
Subsidiary class(es)	-
Packaging group	Not available.
Labels required	2
ERG Code	2L
Passenger & cargo	Allowed.

Additional Information:

Packaging Instruction	203
Pkg Inst cargo only	203
Pkg Inst passenger & cargo	Y203
SP see 44	A98,A145,A167
Max net qty pkg	75 kg
Max net qty pkg cargo only	150 kg
Max net qty pkg LQ	30 kg G

IMDG

UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2
Subsidiary class(es)	5A
Packaging group	Not available.
Environmental hazards	

Marine pollutant	No
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Labels required	2
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EmS	Not available.
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Special precautions for user	Not available.
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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.

DOT**IATA****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.

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
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SARA 311/312 Hazardous chemical No

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

Not regulated.

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

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

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

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 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 10-14-2013

Revision date 10-14-2013

Version # 20

Further information This material has not been assessed for HMIS or NFPA ratings.

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: Multiple Properties
Ecological Information:
Transport Information: Proper Shipping Name/Packing Group
Regulatory Information: United States
GHS: Classification