

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier		
Trade name or designation of the mixture	ZOVIRAX TABLETS	
Registration number	-	
Synonyms	ZOVIRAX TABLETS 400 MG * ZOVIRAX TABLETS 800 MG * ZOVIRAX COMPRESSE * ZOVIRAX COMPRIMES * ZOVIRAX COMPRIMIDOS * ZOVIRAX TABLETAS * ZOVIRAX TABLETES * ZOVIRAX TABLETKI * ZOVIRAX TABLETTA * ZOVIRAX TABLETTER * ZOVIRAX TABLETTI * ZOVIRAX TABLETY * ZOVIRAX WELLSTAT PAC TABLETS * ZOVIRAX ZOSTAB PAC TABLETS * ACYVIR TABLETS * ZOV800 TABLETS * ZOVIR TABLETS * ACYCLOVIR, FORMULATED PRODUCT	
Issue date	17-December-2013	
Version number	10	
Revision date	17-December-2013	
Supersedes date	03-May-2013	
1.2. Relevant identified uses of t	e substance or mixture and uses advised against	
Identified uses	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.	
Uses advised against	No other uses are advised.	
1.3. Details of the supplier of the	safety data sheet	
	GlaxoSmithKline UK 980 Great West Road Brentford, Middlesex TW8 9GS UK UK General Information (normal business hours): +44-20-8047-5000 Email Address: msds@gsk.com Website: www.gsk.com	
1.4. Emergency telephone number		
	TRANSPORT EMERGENCIES::UK In-country toll call:+(44)-870-8200418International toll call:+1 703 527 3887available 24 hrs/7 days; multi-language response	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

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

Classification according to Regulation (EC) No 1272/2008 as amended

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

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

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

Supplemental label information None.

2.3. Other hazards	Caution - Pharmaceutical agent. See section 11 for additional information on health hazards. Expected to be non-combustible. No information is available about the potential of this product to produce adverse environmental effects.
	enecis.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name

% CAS-No. / EC No. REACH Registration No. INDEX No. Notes

	70 - < 80 59277-89-3 - 261-685-1 -	-
Classification:	DSD: -	
	CLP: -	
	4	
MAGNESIUM STEARAT	1 - < 3 557-04-0 - 209-150-3	-
Classification:	DSD: Xi;R36/37/38	
	CLP: Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335	
Polyvinylpyrrolidone	1 - < 3 9003-39-8 -	-
Classification:	DSD: R52/53	
	CLP: Aquatic Chronic 3;H412	
PBT: persistent, bioaccu	/2008.	
ECTION 4: First aid r	easures	
neral information	Ensure that medical personnel are aware of the material(s) involved, protect themselves. IF exposed or concerned: Get medical advice/at	
. Description of first aid	easures	
. Description of first aid Inhalation	easures If not breathing, give artificial respiration. If breathing is difficult, train oxygen. Get medical attention immediately.	ed personnel should give
	If not breathing, give artificial respiration. If breathing is difficult, traine	emoving contaminated clot
Inhalation	If not breathing, give artificial respiration. If breathing is difficult, train oxygen. Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes while re and shoes. Remove and isolate contaminated clothing and shoes. G	emoving contaminated clot iet medical attention if
Inhalation Skin contact	If not breathing, give artificial respiration. If breathing is difficult, train oxygen. Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes while re and shoes. Remove and isolate contaminated clothing and shoes. G symptoms occur. In the case of contact with eyes, rinse immediately with plenty of wat	emoving contaminated clot set medical attention if ter and seek medical advic omiting at the instruction of person. If swallowed, rinse
Inhalation Skin contact Eye contact	 If not breathing, give artificial respiration. If breathing is difficult, trained oxygen. Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes while reand shoes. Remove and isolate contaminated clothing and shoes. Get symptoms occur. In the case of contact with eyes, rinse immediately with plenty of water Get medical attention if irritation develops and persists. Call a physician or poison control centre immediately. Only induce vor medical personnel. Never give anything by mouth to an unconsious provide with with water (only if the person is conscious). Get medical attention 	emoving contaminated clot set medical attention if ter and seek medical advic omiting at the instruction of person. If swallowed, rinse
Inhalation Skin contact Eye contact Ingestion Most important symptod d effects, both acute and	 If not breathing, give artificial respiration. If breathing is difficult, trained oxygen. Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes while reand shoes. Remove and isolate contaminated clothing and shoes. Get symptoms occur. In the case of contact with eyes, rinse immediately with plenty of water Get medical attention if irritation develops and persists. Call a physician or poison control centre immediately. Only induce vor medical personnel. Never give anything by mouth to an unconsious personnel with water (only if the person is conscious). Get medical attention if mouth with water (only if the person is conscious). Provide general supportive measures and treat symptomatically. 	emoving contaminated clot set medical attention if ter and seek medical advic omiting at the instruction of person. If swallowed, rinse
Inhalation Skin contact Eye contact Ingestion Most important sympto d effects, both acute and layed Indication of any mediate medical attentio	If not breathing, give artificial respiration. If breathing is difficult, trained oxygen. Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes while reand shoes. Remove and isolate contaminated clothing and shoes. Get symptoms occur. In the case of contact with eyes, rinse immediately with plenty of water Get medical attention if irritation develops and persists. Call a physician or poison control centre immediately. Only induce vor medical personnel. Never give anything by mouth to an unconsious personnel with water (only if the person is conscious). Get medical attention attention is conscious. Not available. Provide general supportive measures and treat symptomatically.	emoving contaminated clot set medical attention if ter and seek medical advic omiting at the instruction of person. If swallowed, rinse
Inhalation Skin contact Eye contact Ingestion Most important sympto d effects, both acute and layed Indication of any mediate medical attentio d special treatment need	If not breathing, give artificial respiration. If breathing is difficult, trained oxygen. Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes while reand shoes. Remove and isolate contaminated clothing and shoes. Get symptoms occur. In the case of contact with eyes, rinse immediately with plenty of water Get medical attention if irritation develops and persists. Call a physician or poison control centre immediately. Only induce vor medical personnel. Never give anything by mouth to an unconsious personnel with water (only if the person is conscious). Get medical attention attention is conscious. Not available. Provide general supportive measures and treat symptomatically.	emoving contaminated clot set medical attention if ter and seek medical advic omiting at the instruction of person. If swallowed, rinse
Inhalation Skin contact Eye contact Ingestion Most important sympto d effects, both acute and layed Indication of any mediate medical attentio d special treatment need ECTION 5: Firefightin	If not breathing, give artificial respiration. If breathing is difficult, trained oxygen. Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes while reand shoes. Remove and isolate contaminated clothing and shoes. Get symptoms occur. In the case of contact with eyes, rinse immediately with plenty of water Get medical attention if irritation develops and persists. Call a physician or poison control centre immediately. Only induce vor medical personnel. Never give anything by mouth to an unconsious provul with water (only if the person is conscious). Get medical attention attended	emoving contaminated clot set medical attention if ter and seek medical advic omiting at the instruction of person. If swallowed, rinse
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Inhalation Skin contact Eye contact Ingestion Most important symptod deffects, both acute and layed Indication of any mediate medical attentio d special treatment need ECTION 5: Firefightin neral fire hazards Extinguishing media Suitable extinguishing media Unsuitable extinguishing	If not breathing, give artificial respiration. If breathing is difficult, traine oxygen. Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes while reand shoes. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops and persists. In the case of contact with eyes, rinse immediately with plenty of water Get medical attention if irritation develops and persists. Call a physician or poison control centre immediately. Only induce vor medical personnel. Never give anything by mouth to an unconsious provide general supportive measures and treat symptomatically. Provide general supportive measures and treat symptomatically. g measures Expected to be non-combustible. Water fog. Foam. Dry chemical powder. Carbon dioxide extinguishers may be ineffective. Toxic, corrosive or flammable thermal decomposition products are expected to provide a specific products are expected to provide of the specific products are expected to provide extinguishers may be ineffective.	emoving contaminated clot set medical attention if ter and seek medical advice omiting at the instruction of person. If swallowed, rinse ation if symptoms occur.
Inhalation Skin contact Eye contact Ingestion Most important symptod deffects, both acute and layed Indication of any mediate medical attentio d special treatment need ECTION 5: Firefightin neral fire hazards Extinguishing media Suitable extinguishing media Unsuitable extinguishing media	If not breathing, give artificial respiration. If breathing is difficult, traine oxygen. Get medical attention immediately. Immediately flush with plenty of water for at least 15 minutes while re and shoes. Remove and isolate contaminated clothing and shoes. G symptoms occur. In the case of contact with eyes, rinse immediately with plenty of wat Get medical attention if irritation develops and persists. Call a physician or poison control centre immediately. Only induce vor medical personnel. Never give anything by mouth to an unconsious p mouth with water (only if the person is conscious). Get medical atten Not available. Provide general supportive measures and treat symptomatically. g measures Expected to be non-combustible. Water fog. Foam. Dry chemical powder. Carbon dioxide extinguishers may be ineffective. Toxic, corrosive or flammable thermal decomposition products are ex-	emoving contaminated clot set medical attention if ter and seek medical advice omiting at the instruction of person. If swallowed, rinse ation if symptoms occur.

Special fire fighting procedures	For single units (packages): No special requirements needed. For larger amounts (multiple packages/pallets) of product: Since toxic, corrosive or flammable vapours might be evolved from fires involving this product and associated packaging, self contained breathing apparatus and full protective equipment are recommended for firefighters.
	If possible, contain and collect firefighting water for later disposal.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away. Wear protective clothing and equipment consistent with the degree of hazard. For personal protection, see section 8.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS.
6.2. Environmental precautions	Prevent further leakage or spillage if safe to do so. For large spills, take precautions to prevent entry into waterways, sewers, or surface drainage systems.
6.3. Methods and material for containment and cleaning up	Collect and place it in a suitable, properly labelled container for recovery or disposal. Stop the flow of material, if this is without risk. Following product recovery, flush area with water. No specific decontamination or detoxification procedures have been identified for this product.
6.4. Reference to other sections	For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Avoid prolonged exposure. Avoid breaking or crushing tablets.
7.2. Conditions for safe storage, including any incompatibilities	Store away from incompatible materials (see Section 10 of the MSDS). No storage requirements necessary for occupational hazards. Follow product information storage instructions to maintain efficacy.
7.3. Specific end use(s)	Medicinal Product

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

GSK		
Components	Туре	Value
ACYCLOVIR (CAS 59277-89-3)	8 HR TWA	5000 mcg/m3
	OHC	1
MAGNESIUM STEARATE (CAS 557-04-0)	OHC	1
Biological limit values	No biological exposure limits noted for	the ingredient(s).
Recommended monitoring procedures	Follow standard monitoring procedures	5.
Derived No Effect Level (DNEL)	Not available.	
Predicted no effect concentrations (PNECs)	Not available.	
8.2. Exposure controls		
Appropriate engineering controls	upon the OEL/Occupational Hazard C assessment. Refer to the Exposure C assigned and how to interpret them. N	is established for operations involving this material based ategory and the outcome of a site- or operation-specific risk introl Matrix for more information about how ECA's are o special engineering controls are required. Local exhaust y authorised personnel may enter the working area.
Individual protection measures,	such as personal protective equipme	nt
General information	Personal protection equipment should discussion with the supplier of the personal statement of t	be chosen according to the CEN standards and in conal protective equipment.
Eye/face protection	Wear approved safety glasses with sid EN 166)	e shields or cover goggles if eye contact is possible. (eg.
Skin protection		
- Hand protection	exercised if insufficient data are availa EHS department. The selection of glov properties and on possible permeation use. Potential allergic reactions can oc these should be avoided. With respect	any solvents and other hazards present. Care must be ble and further guidance should be sought from your local res for a specific activity must be based on the material's and degradation that may occur under the circumstances of cur with certain glove materials (e.g. Latex) and therefore to the above precautions select suitable chemical resistant active index 6 (>480min permeation time).
- Other	Wear appropriate chemical resistant cl	othing. (EN 14605 for splashes, EN ISO 13982 for dust)

Respiratory protection	If respiratory protective equipment (RPE) is used, the type of RPE will depend upon air concentrations present, required protection factor as well as hazards, physical properties and warning properties of substances present. Where breathable aerosols/dust are formed, use suitable combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (eg. EN 14387).
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	An eye wash station should be available. Wear appropriate clothing to avoid skin contact. Follow all local regulations if personal protective equipment (PPE) is used in the workplace.
Environmental exposure control	s
GSK environmental hazard	1

GSK environmental hazard1category1Hazard guidance and
control recommendationsNot available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Form	Tablet.
Colour	Not available.
Odour	Not available.
Odour threshold	Not available.
рН	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 exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour 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.
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	This product is expected to be stable.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	None for normal handling of this product.
10.5. Incompatible materials	None known.
10.6. Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely rou	tes of exposure
Ingestion	Based on available data, the classification criteria are not met.
Inhalation	Based on available data, the classification criteria are not met. Inhalation of dusts may cause respiratory irritation.
Skin contact	Based on available data, the classification criteria are not met. Dust or powder may irritate the skin.
Eye contact	Based on available data, the classification criteria are not met. Dust or powder may irritate eye tissue.
Symptoms	Not available.

11.1. Information on toxicological effects

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

Acute toxicity	Based on available data, the classification criteria are not met.		
Components	Species	Test results	
ACYCLOVIR (CAS 59277-89-3)			
Acute			
Inhalation			
LC50	Rat	> 15.1 mg/l, 4 hours	
Oral			
LD50	Rat	> 20 g/kg	
MAGNESIUM STEARATE (CAS	\$ 557-04-0)		
Acute			
Oral			
LD50	Rat	> 2000 mg/kg	
Polyvinylpyrrolidone (CAS 9003	-39-8)		
Acute			
Oral			
LD50	Rat	> 5000 mg/kg	
* Estimates for product may	be based on additional com	ponent data not shown.	
Skin corrosion/irritation		, the classification criteria are not met.	
Irritation Corrosion - Skin			
ACYCLOVIR		Acute dermal irritation, Tested at 5% in a cream; Irritation	
		Index 0.02	
		Result: negative Species: Rabbit	
Irritation Corrosion - Skin	: P.I.I. value		
MAGNESIUM STEARA	ATE	0	
Serious eye damage/eye rritation	Based on available data tissue.	Based on available data, the classification criteria are not met. Dust or powder may irritate eye	
	13500.		
Eye ACYCLOVIR		Acute ocular irritation	
		Result: negative	
		Species: Rabbit	
Respiratory sensitisation	Due to lack of data the c	Due to lack of data the classification is not possible.	
Skin sensitisation	Based on available data	Based on available data, the classification criteria are not met.	
Sensitisation			
ACYCLOVIR		Method not specified	
		Result: negative Species: Guinea pig	
Germ cell mutagenicity	Based on available data	, the classification criteria are not met. No data available to indicate	
· · · · · · · · · · · · · · · · · · ·	product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Germ cell mutagenicity			
Mutagenicity			
ACYCLOVIR		Ames Assay	
		Result: negative C3H/T10 1/2 Cell Transformation Assay	

Mutagenicity			
ĂĊYCLŎVIR		only with levels m dose Result: positive Species: Hamster Chromosomal Abe Result: Equivocal Cytogenetic Analy Result: negative Species: Mouse Mouse lymphoma Result: positive	erration Assay In Vitro, human lymphocytes vsis In Vivo, bone marrow cell (L5178Y TK) Assay
Carcinogenicity	Based on availabl be a carcinogen b	data, the classification criteria IARC, ACGIH, NTP, or OSHA	are not met. This product is not considered to
ACYCLOVIR		2 year bioassay Result: negative Species: Mouse 2 year bioassay Result: negative Species: Rat	
IARC Monographs. Overall	Evaluation of Carci	ogenicity	
ACYCLOVIR (CAS 5927 Polyvinylpyrrolidone (CA			as to carcinogenicity to humans. as to carcinogenicity to humans.
Reproductive toxicity	Based on availabl	data, the classification criteria	are not met.
Reproductive toxicity			
Fertility effects - Males and ACYCLOVIR	females	Subcutaneous inje Result: NOAEL = (decreased implar Species: Rat	ection 25 mg/kg/day; LOAEL = 50 mg/kg/day ntation efficiency, no effect on litter size)
Reproductivity ACYCLOVIR		Embryo-foetal dev administration Result: NOAEL = Species: Rabbit Embryo-foetal dev administration	velopment - Oral, sub-cutaneous 50 mg/kg/day; no adverse foetal effects velopment - Oral, sub-cutaneous 50 mg/kg/day; no adverse foetal effects
Specific target organ toxicity - single exposure	Due to lack of dat	the classification is not possible	le.
Specific target organ toxicity - repeated exposure	Based on availabl	data, the classification criteria	are not met.
Aspiration hazard	Not available.		
Mixture versus substance information	Not available.		
Other information	Not available.		
SECTION 12: Ecological i	nformation		
12.1. Toxicity	Not expected to b	harmful to aquatic organisms.	
Components	Sp	ecies	Test results
ACYCLOVIR (CAS 59277-89-3) Aquatic			
Acute			
Activated Sludge	IC50 Re	sidential sludge	> 100 mg/l, 3 hours, OECD 209

capricornutum)

Green algae (Selenastrum

Water flea (Daphnia magna)

EC50

EC50

Respiration Algae

Crustacea

> 99 mg/l, 96 hours, Static test, OECD

> 93 mg/l, 48 hours, Static test, OECD

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Components		Species	Test results	
Microtox	MIC	Aspergillus flavus	> 993 mg/l, 5 days	
		Azotobacter chroococcum	> 993 mg/l, 5 days	
		Chaetomium globosum	> 993 mg/l, 5 days	
		Nostoc sp.	> 993 mg/l, 5 days	
		Pseudomonas fluorescens	> 993 mg/l, 5 days	
Chronic				
Crustacea	LOEC	Water flea (Ceriodaphnia dubia)	> 10 mg/l, 7 days, 7 day static renewal, EPA 1002	
	NOEC	Water flea (Ceriodaphnia dubia)	10 mg/l, 7 days	
MAGNESIUM STEARATE	(CAS 557-04-0)			
Aquatic				
Acute				
Fish	EC50	Orange-red killfish (Adult Oryzias latipes)	130 mg/l, 96 hours	
Microtox	EC50	Microtox	12.5 mg/l, 15 minutes	
Polyvinylpyrrolidone (CAS	9003-39-8)			
Acute				
	IC50	Activated sludge	> 1000 mg/l, 3 hours, Static test	
Aquatic				
Acute	5050			
Crustacea	EC50	Water flea (Daphnia magna)	84 mg/l, 48 hours, Static test	
	NOEC	Water flea (Daphnia magna)	32 mg/l, 48 hours, Static test	
* Estimates for produc	t mav be based on a	dditional component data not shown.		
12.2. Persistence and deg	-			
Persistence and degrada				
Photolysis				
Half-life (Photoly ACYCLOVIR	rsis-aqueous)	3.55 Hours Measured	d, pH 7 Buffer Solution	
Half-life (Photolysis-atmospheric) MAGNESIUM STEARATE UV/visible spectrum wavelength MAGNESIUM STEARATE		17 Hours Estimated	17 Hours Estimated	
		210 nm		
Hydrolysis Half-life (Hydroly ACYCLOVIR	vsis-neutral)	> 1 years Measured		
Biodegradability		,		
	tion (Aerobic biode	gradation-inherent)		
ACYCLOVIR MAGNESIUM ST	•	50 %, < 1 day Modifie 77 %, 28 days BOD	ed Zahn-Wellens, Activated sludge	

0 %, 28 days Modified MITI test, Activated sludge

0.7 %, 28 days Sturm test

95 %, 22 days Sturm test

50 %, 13 days

> 9999 Estimated

2.33 - 2.37 Estimated

2.6 - 2.64 Measured

5.86 Estimated

-1.2

n-octanol/water (log Kow) ACYCLOVIR	
Bioconcentration factor (BCF) MAGNESIUM STEARATE	
12.4. Mobility in soil	
Adsorption	

12.3. Bioaccumulative potential Not available.

Polyvinylpyrrolidone

MAGNESIUM STEARATE

MAGNESIUM STEARATE

ACYCLOVIR

Partition coefficient

Sludge/biomass distribution coefficient - log Kd ACYCLOVIR Soil/sediment sorption - log Koc ACYCLOVIR MAGNESIUM STEARATE

Percent degradation (Aerobic biodegradation-ready)

Percent degradation (Aerobic biodegradation-soil)

Not available.

SECTION 13: Disposal considerations

12.6. Other adverse effects

13.1. Waste treatment methods	
Residual waste	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.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Observe all local and national regulations when disposing of this product. Collect for recycling or recovery if possible. The disposal method for rejected products/returned goods must ensure that they cannot be re-sold or re-used.

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

ΙΑΤΑ

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

14.7. Transport in bulkMARPOL 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.MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not listed.

Directive 92/85/EEC: on the breastfeeding Not listed.	ne safety and health of pregnant workers and workers who have recently given birth or are
Other EU regulations	
Directive 96/82/EC (Seves	o II) on the control of major-accident hazards involving dangerous substances
Not listed.	protection of the health and safety of workers from the risks related to chemical agents at work protection of young people at work
Other regulations	The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
National regulations	Not available.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.
SECTION 16: Other info	rmation
List of abbreviations	Not available.
References	GSK Hazard Determination
Information on evaluation method leading to the	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

classification of mixture	
Full text of any statements or R-phrases and H-statements under Sections 2 to 15	R36/37/38 Irritating to eyes, respiratory system and skin.
	 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.
Revision information	Composition / Information on Ingredients: Disclosure Overrides SECTION 8: Exposure controls/personal protection: - Other Regulatory Information: United States
Training information	Follow training instructions when handling this material.
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.