

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	ZOFRAN ORAL SOLUTION		
Registration number	-		
Synonyms	ZOFRAN ORAL SOLUTION 4 MG/5 ML * ZOFRAN SYRUP 4 MG/5 ML * ZOFRAN JARABE * ZOFRAN LOSUNG * ZOFRAN MIKSTUR * ZOFRAN MIXTUR * ZOFRAN SCIROPPO * ZOFRAN SIROP * ZOFRAN SIRUP * ZOFRAN STROOP * ZOFRAN SYROP * ZOFRAN XAROPE * NDC NO 0173-0489-00 * ONDANSETRON HYDROCHLORIDE DIHYDRATE, FORMULATED PRODUCT		
Issue date	22-October-2014		
Version number	11		
Revision date	22-October-2014		
1.2. Relevant identified uses of th	ne 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)-870-8200418 International toll call: +1 703 527 3887		
	available 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.

2.3. Other hazards Caution - Pharmaceutical agent. See section 11 for additional information on health hazards.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name

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

		< 45	50-70-4 200-061-5	-	-
Classification:	DSD:	-	200-001-0		
	CLP:	-			
CITRIC ACID ANHYDRC	US	< 1	77-92-9 201-069-1	-	-
Classification:	DSD:	Xi;R36			
	CLP:	Eye Irrit. 2;H319			
ONDANSETRON HYDRO DIHYDRATE	OCHLO	RIDE < = 0,10	103639-04-9 -	-	-
Classification:	DSD:	T;R25, Xi;R41, N	;R50/53		
	CLP:	Acute Tox. 3;H30 Chronic 2;H411	1, Eye Dam. 1;H318, A	quatic Acute 1;H400), Aquatic
Other components below	reporta	ble levels > 57			
st of abbreviations and sy		that may be used	above		
CLP: Regulation No. 127 DSD: Directive 67/548/EB M: M-factor					
vPvB: very persistent and					
PBT: persistent, bioaccur #: This substance has be				t(s).	
omposition comments	-		R- and H-phrases is dis		
ECTION 4: First aid n	neasui	'es			
eneral information			ent or if vou feel unwell	. seek medical advid	ce immediately (show the label
	W	here possible). En			he material(s) involved, and take
	р	recautions to prote			
•	neasur	es	ect themselves.		
1. Description of first aid r Inhalation	neasur M S	e s love to fresh air. If	ct themselves. breathing is difficult, tra or persist. Under norma	ained personnel sho al conditions of inten	uld give oxygen. Call a physician ded use, this material is not
•	neasure M s e Ir	es love to fresh air. If ymptoms develop xpected to be an ir nmediately flush sl	ect themselves. breathing is difficult, tra or persist. Under norma hhalation hazard.	al conditions of inten	ded use, this material is not
Inhalation	measure M s e Ir C	es love to fresh air. If ymptoms develop xpected to be an ir nmediately flush sl aet medical attentic	ect themselves. breathing is difficult, tra or persist. Under norma nhalation hazard. kin with plenty of water	al conditions of inten Take off contamina	ded use, this material is not ited clothing and wash before reu
Skin contact	measure M s e Ir C R If a	es love to fresh air. If ymptoms develop xpected to be an ir nmediately flush s bet medical attentic tinse thoroughly wi swallowed, rinse r	ect themselves. breathing is difficult, tra or persist. Under norma halation hazard. kin with plenty of water on if symptoms occur. th plenty of water for al mouth with water (only call a poison control c	al conditions of inten Take off contamina least 15 minutes ar f the person is cons	ded use, this material is not ited clothing and wash before reu
Inhalation Skin contact Eye contact Ingestion 2. Most important sympton of effects, both acute and	measure M s e Ir G R If a a	es love to fresh air. If ymptoms develop xpected to be an ir nmediately flush sl et medical attentio tinse thoroughly wi swallowed, rinse r mount does occur, dvice from poison	ect themselves. breathing is difficult, tra or persist. Under norma halation hazard. kin with plenty of water on if symptoms occur. th plenty of water for al mouth with water (only call a poison control c	al conditions of inten Take off contamina least 15 minutes ar f the person is cons entre immediately. D	ded use, this material is not ited clothing and wash before reu nd consult a physician. cious). If ingestion of a large
Inhalation Skin contact Eye contact Ingestion 2. Most important sympto- id effects, both acute and elayed 3. Indication of any mediate medical attention	measure M s e Ir G G F If a a ms D N n a	es love to fresh air. If ymptoms develop xpected to be an ir nmediately flush sl bet medical attentic tinse thoroughly wi swallowed, rinse r mount does occur, dvice from poison irect contact with e	ect themselves. breathing is difficult, tra or persist. Under norma halation hazard. kin with plenty of water on if symptoms occur. th plenty of water for al mouth with water (only call a poison control c control center. eyes may cause tempo s are recommended. T	al conditions of inten Take off contamina least 15 minutes ar f the person is cons entre immediately. E rary irritation.	ded use, this material is not ited clothing and wash before reu nd consult a physician. cious). If ingestion of a large
Inhalation Skin contact Eye contact Ingestion 2. Most important sympto d effects, both acute and layed 3. Indication of any mediate medical attention d special treatment need	measure M s e Ir G G R If a a ms D M n a ed ir	es love to fresh air. If ymptoms develop xpected to be an ir nmediately flush sl bet medical attentio tinse thoroughly wi swallowed, rinse r mount does occur, dvice from poison tirect contact with e lo specific antidote dditional guidance formation centre.	ect themselves. breathing is difficult, tra or persist. Under norma halation hazard. kin with plenty of water on if symptoms occur. th plenty of water for al mouth with water (only call a poison control c control center. eyes may cause tempo s are recommended. T	al conditions of inten Take off contamina least 15 minutes ar f the person is cons entre immediately. E rary irritation.	ded use, this material is not ited clothing and wash before reu nd consult a physician. cious). If ingestion of a large to not induce vomiting without
Inhalation Skin contact Eye contact Ingestion 2. Most important sympto Id effects, both acute and layed 3. Indication of any mediate medical attention Id special treatment neede	measure M s e Ir G R If a a ms D n a a ms D n a a ms D n a a g mea	Ave to fresh air. If ymptoms develop xpected to be an ir nmediately flush sl et medical attentio tinse thoroughly wi swallowed, rinse r mount does occur, dvice from poison irect contact with e lo specific antidote dditional guidance formation centre.	ect themselves. breathing is difficult, tra or persist. Under norma halation hazard. kin with plenty of water on if symptoms occur. th plenty of water for al mouth with water (only call a poison control c control center. eyes may cause tempo s are recommended. T	al conditions of inten Take off contamina least 15 minutes ar f the person is cons entre immediately. E rary irritation. reat according to loc escribing information	ded use, this material is not ited clothing and wash before reu nd consult a physician. cious). If ingestion of a large to not induce vomiting without
Inhalation Skin contact Eye contact Ingestion 2. Most important sympton d effects, both acute and elayed 3. Indication of any mediate medical attention of special treatment needed ECTION 5: Firefightin eneral fire hazards 1. Extinguishing media Suitable extinguishing	measure M s e Ir G R If a a f ms D ms D n a g mea N	es love to fresh air. If ymptoms develop xpected to be an ir nmediately flush sl aet medical attentio tinse thoroughly wi swallowed, rinse r mount does occur, dvice from poison irrect contact with e lo specific antidote dditional guidance formation centre.	ect themselves. breathing is difficult, tra or persist. Under norman halation hazard. kin with plenty of water on if symptoms occur. th plenty of water for at mouth with water (only call a poison control c control center. eyes may cause tempo s are recommended. T , refer to the current pro	al conditions of inten Take off contamina least 15 minutes ar f the person is cons entre immediately. E rary irritation. reat according to loc escribing information	ded use, this material is not ited clothing and wash before reu nd consult a physician. cious). If ingestion of a large to not induce vomiting without
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Inhalation Skin contact Eye contact Ingestion 2. Most important sympto deffects, both acute and elayed 3. Indication of any mediate medical attention of special treatment neede ECTION 5: Firefightin eneral fire hazards 1. Extinguishing media Suitable extinguishing media Unsuitable extinguishing	measur M s e Ir G R If a a ms D m n a a ms D N N v N N C D	Ave to fresh air. If ymptoms develop xpected to be an ir nmediately flush sl et medical attentic tinse thoroughly wi swallowed, rinse r mount does occur, dvice from poison irect contact with e lo specific antidote dditional guidance formation centre. ISURES lo unusual fire or e vater. Foam. Dry c lone known.	ect themselves. breathing is difficult, tra or persist. Under norma- nhalation hazard. kin with plenty of water on if symptoms occur. th plenty of water for at mouth with water (only call a poison control c control center. eyes may cause tempo s are recommended. T , refer to the current pre- xplosion hazards noted	al conditions of inten Take off contamina least 15 minutes ar f the person is cons entre immediately. E rary irritation. reat according to loc escribing information	ded use, this material is not ited clothing and wash before reu nd consult a physician. cious). If ingestion of a large to not induce vomiting without

Special fire fighting procedures	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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures		
For non-emergency personnel	Keep unnecessary personnel away. For personal protection, see section 8.	
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.	
6.2. Environmental precautions	Avoid discharge into drains, water courses or onto the ground.	
6.3. Methods and material 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. 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.	
6.4. Reference to other sections	For personal protection, see section 8. For waste disposal, see section 13 of the SDS.	
SECTION 7: Handling and	storage	

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Avoid prolonged exposure. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
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		
CITRIC ACID ANHYDROUS (CAS 77-92-9)	8 HR TWA	5000 mcg/m3		
,	OHC	1		
D-SORBITOL (CAS 50-70-4)	OHC	1		
ONDANSETRON HYDROCHLORIDE DIHYDRATE (CAS 103639-04-9)	8 HR TWA	30 mcg/m3		
	OHC	3		
Biological limit values	No biological exposure limits noted for t	he ingredient(s).		
Recommended monitoring procedures	Follow standard monitoring procedures.			
Derived no-effect level (DNEL)	Not available.			
Predicted no effect concentrations (PNECs)	Not available.			
Exposure guidelines				
8.2. Exposure controls				
Appropriate engineering controls	General ventilation normally adequate.			
Individual protection measures, such as personal protective equipment				
General information	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Follow all local regulations if personal protective equipment (PPE) is used in the workplace.			
Eye/face protection	If contact is likely, safety glasses with side shields are recommended. (e.g. EN 166). Not normally needed.			
Skin protection				

- Hand protection	For prolonged or repeated skin contact use suitable protective gloves. Select suitable chemical resistant protective gloves (EN 374) with a protective index 6 (>480min permeation time). Not normally needed.
- Other	Wear suitable protective clothing as protection against splashing or contamination. (EN 14605 for splashes, EN ISO 13982 for dust). Not normally needed.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. No personal respiratory protective equipment normally required.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	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.

Environmental exposure controls

Hazard guidance and Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance		
Physical state	Liquid.	
Form	Liquid.	
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		
Flammability limit - lower (%)	Not available.	
Flammability limit - upper (%)	Not available.	
Vapour pressure	Not available.	
Vapour density	Not available.	
Relative density	Not available.	
Solubility(ies)		
Solubility (water)	Not available.	
Solubility (other)	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	

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	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.

10.6. Hazardous	None known. Irritating and/or toxic fumes and gases may be emitted upon the product's
decomposition products	decomposition.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of e	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	Health injuries are not known or expected under normal use.
Ingestion	Health injuries are not known or expected under normal use. Expected to be a low ingestion hazard. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms	Direct contact with eyes may cause temporary irritation.

11.1. Information on toxicological effects

Components	Species	Test results		
CITRIC ACID ANHYDROUS (CA	AS 77-92-9)			
Acute				
Oral				
LD50	Rat	3000 mg/kg		
D-SORBITOL (CAS 50-70-4)				
Acute				
Oral				
LD50	Rat	15,9 g/kg		
ONDANSETRON HYDROCHLC	RIDE DIHYDRATE (CAS 10363	39-04-9)		
Acute				
Oral				
LD50	Rat	100 - 150 mg/kg		
Chronic				
Oral				
LD	Rat	> 36 mg/kg/day		
LOEL	Dog	1 mg/kg/day, 52 weeks		
NOAEL	Rat	1 mg/kg/day, 18 months		
	be based on additional compon			
Skin corrosion/irritation	Due to partial or complete la	ck of data the classification is not possible.		
Corrosivity				
ONDANSETRON HYDROCHLORIDE DIHYDRATE		50 %, formulated in soft paraffin. Result: Non-irritant Species: Guinea pig		
Irritation Corrosion - Skin:	P.I.I. value	opeoies. Guinea pig		
CITRIC ACID ANHYDR		OECD 404		
		Result: Mild to moderate irritant. Species: Rabbit		
Continue que demonse (que	Due to partial or complete la	•		
Serious eye damage/eye irritation	Due to partial of complete la	ck of data the classification is not possible.		
Eye				
CITRIC ACID ANHYDR	ROUS	Acute ocular irritation; OECD 405 Result: Severe Irritant		
ONDANSETRON HYDROCHLORIDE DIHYDRATE		Species: Rabbit OECD 405 Result: Severe Irritant Species: Rabbit		
Respiratory sensitisation	Due to partial or complete la	ck of data the classification is not possible.		
Skin sensitisation	Due to partial or complete la	ck of data the classification is not possible.		
Sensitisation				
ONDANSETRON HYD	ROCHLORIDE DIHYDRATE	Split adjuvant assay Result: negative Species: Guinea pig		
Germ cell mutagenicity	Due to partial or complete la	ck of data the classification is not possible.		

Mutagenicity ONDANSETRON HYDRO	OCHLORIDE DIHYDRATE	Ames Result: negative Chromosomal Aberration Assay In Vitro Result: positive HPRT gene mutation in human lymphocytes Result: negative Micronucleus test Result: negative Species: Mouse V79 Cell Mutagenicity Assay Result: negative
Carcinogenicity ONDANSETRON HYDROCHI		expected as a result of occupational exposure. ICH S1B Result: negative Species: Mouse ICH S1B Result: negative Species: Rat
Reproductive toxicity	Due to partial or complete lac	k of data the classification is not possible.
Reproductivity ONDANSETRON HYDRO	OCHLORIDE DIHYDRATE	Embryofetal Development Result: No effect Species: Rabbit Embryofetal Development Result: No effect Species: Rat Fertility Result: No effect Species: Rat Pre- and Post-natal development Result: negative Species: Rat
Specific target organ toxicity - single exposure	Due to partial or complete lac	k of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to partial or complete lac	k of data the classification is not possible.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.	
Mixture versus substance information	No information available.	
Other information	Caution - Pharmaceutical age adverse effects.	ent. Occupational exposure to the substance or mixture may c

SECTION 12: Ecological information

12.1. Toxicity	Not expec	ted to be harmful to aquatic organisms.	Test results
Components		Species	
CITRIC ACID ANHYDROUS (CAS 77-92-9)		
Aquatic			
Acute			
Algae	NOEC	Green algae (Scenedesmus quadricauda)	425 mg/l, 8 days Static Test
Crustacea	EC50	Water flea (Daphnia magna)	120 mg/l, 72 hours Static test
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	1516 mg/l, 96 hours Static test
		Golden ide/orfe (Adult Leuciscus idus)	440 - 760 mg/l, 96 hours Static test
ONDANSETRON HYDROCH	LORIDE DIHYDI	RATE (CAS 103639-04-9)	
Aquatic			
Acute			
Activated Sludge Respiration	IC50	Residential sludge	> 1000 mg/l, 3 hours OECD 209
Algae	EC50	Green algae (Selenastrum capricornutum)	0,87 mg/l, 72 hours Measured, OECD 201
	NOEC	Green algae (Selenastrum capricornutum)	0,31 mg/l, 72 hours Static test

cause

Components		Species		Test results
Crustacea	EC50	Water flea (D)aphnia pulex)	28 mg/l, 48 hours Static test, TAD 4.08
	NOEC	Water flea (D	aphnia pulex)	16 mg/l, 48 hours Static test
Fish	EC50	Rainbow trou mykiss)	it (Adult Oncorhyncus	6,5 mg/l, 96 hours Static test, OECD 203
	NOEC	Rainbow trou mykiss)	it (Adult Oncorhyncus	2,6 mg/l, 96 hours Measured
Chronic				
Crustacea	EC50	Water flea (C	Ceriodaphnia dubia)	1,4 mg/l, 8 days Static renewal test, EPA 1002
	LOEC	Water flea (C	Ceriodaphnia dubia)	1 mg/l, 8 days
	NOEC	Water flea (C	Ceriodaphnia dubia)	0,32 mg/l, 8 days
* Estimates for product m 2.2. Persistence and egradability	nay be based on a	additional compon	ent data not shown.	
Photolysis UV/visible spectrur ONDANSETRON H	•	E DIHYDRATE	305 nm, pH 5-9	
Hydrolysis Half-life (Hydrolysis ONDANSETRON H	s-neutral)		> 1 years	
Biodegradability Percent degradatio CITRIC ACID ANHY ONDANSETRON H ¹ Percent degradatio ONDANSETRON H ¹	DROUS YDROCHLORIDE In (Aerobic biode	E DIHYDRATE	98 %, 2 days Modified	I Zahn-Wellens, Activated sludge -continuous activated sludge (SCAS), s, Soil
2.3. Bioaccumulative poter				
Partition coefficient -octanol/water (log Kow) D-SORBITOL ONDANSETRON HYDR		IYDRATE	-2,2 0,995	
bioconcentration factor (BC			1 Estimated	
2.4. Mobility in soil				
Adsorption Sludge/biomass dis ONDANSETRON H ^V Soil/sediment sorp	YDROCHLORIDE	•	3,95 - 4,23 Calculated	
D-SORBITOL	-		0,3 Estimated	
ONDANSETRON H` Iobility in general	YDROCHLORIDE	- UIHYURATE	4,22 - 4,51 Measured	
Volatility Henry's law CITRIC ACID ANHY	DROUS		< 0 atm m^3/mol Calc	ulated 25 °C
D-SORBITOL	Bitteet		0 atm m^3/mol Estima	
Distribution Octanol/water distr ONDANSETRON H			0,23, pH 5 0,99, pH 7 1,26, pH 9	
2.5. Results of PBT Ind vPvB Issessment	Not availa	ble.		
2.6. Other adverse effects	Not availa	ble.		
	oonelderet!-			
SECTION 13: Disposal	consideratio	ons		

SECTION 13: Disposal considerations

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). Avoid discharge into water courses or onto the ground.
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.
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. Do not discharge into drains, water courses or onto the ground. Dispose in accordance with all applicable regulations.
Special precautions	Dispose in accordance with all applicable regulations.

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(10) 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 safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not listed.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances Not listed.

Directive 98/24/EC on the p	rotection of the health and safety of workers from the risks related to chemical agents at work
Not listed.	
Directive 94/33/EC on the p	rotection of young people at work
Not listed.	
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	Follow national regulation for work with chemical agents.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.
SECTION 16: Other inform	nation
List of abbreviations	Not available.
References	GSK Hazard Determination
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any statements or R-phrases and H-statements under Sections 2 to 15	R25 Toxic if swallowed.

	R36 Irritating to eyes. R41 Risk of serious damage to eyes. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	 H301 Toxic if swallowed. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. May form combustible dust concentrations in air.
Revision information	Product and Company Identification: Product and Company Identification Composition / Information on Ingredients: Undisclosed Ingredient Statement Physical & Chemical Properties: Ecological Information: Ecotoxicity Transport Information: Agency Name and Packaging Type/Transport Mode Selection Regulatory Information: United States Material Attributes & Uses; Experimental Data: Material Uses
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.