

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

### 1.1. Product identifier

Trade name or designation of the mixture	SEPTRIN FOR INFUSION
Registration number	-
Synonyms	SEPTRIN INJECTION AMPOULE 400/80 MG/5 ML * SEPTRIN I.V * SEPTRIN I.V SOLUCAO PARA PERFUSAO INTRAVENOSA * SEPTRIN IM INJECTION * SEPTRIN INFUSION * SEPTRIN INJECTION * SEPTRIN IV AMPOULS * SEPTRIN IV INFUSION * SEPTRIN IV INJECTION * SEPTRIN ROZTWOR DO INIEKEJI 480 MG/5 ML * SEPTRIN SOLUCION INFUSION I.V 5 ML * EUSAPRIM INFUSION * SULPHAMETHOXAZOLE AND TRIMETHOPRIM, FORMULATED PRODUCT
Issue date	09-December-2014
Version number	07
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### 1.2. Relevant identified uses of the 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](mailto:msds@gsk.com)  
Website: [www.gsk.com](http://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

Flammable liquid and vapour.  
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
Propylene glycol	< 50	57-55-6 200-338-0	-	-	
<b>Classification:</b>					
<b>DSD:</b>	-				
<b>CLP:</b>	-				
ETHYL ALCOHOL, 90-99%	< 15	64-17-5 200-578-6	-	603-002-00-5	
<b>Classification:</b>					
<b>DSD:</b>	F;R11, Xi;R36				
<b>CLP:</b>	Flam. Liq. 2;H225, Eye Irrit. 2;H319, Carc. 1A;H350				
SULFAMETHOXAZOLE	< 10	723-46-6 211-963-3	-	-	
<b>Classification:</b>					
<b>DSD:</b>	R52/53				
<b>CLP:</b>	Aquatic Chronic 2;H411				
TRIMETHOPRIM	2	738-70-5 212-006-2	-	-	
<b>Classification:</b>					
<b>DSD:</b>	Xn;R22				
<b>CLP:</b>	Acute Tox. 4;H302				
SODIUM HYDROXIDE	< 2	1310-73-2 215-185-5	-	011-002-00-6	
<b>Classification:</b>					
<b>DSD:</b>	C;R35				
<b>CLP:</b>	Acute Tox. 3;H301, Acute Tox. 4;H312, Skin Corr. 1A;H314				

Other components below reportable levels < 30

### List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Community workplace exposure limit(s).

**Composition comments** The full text for all R- and H-phrases is displayed in section 16.

## SECTION 4: First aid measures

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

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move to fresh air. If breathing is difficult, trained personnel should give oxygen. Call a physician if symptoms develop or persist. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Immediately flush skin with plenty of water. Take off contaminated clothing and wash before reuse. Get medical attention if symptoms occur.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Ingestion</b>	If swallowed, rinse mouth with water (only if the person is conscious). If ingestion of a large amount does occur, call a poison control centre immediately. Do not induce vomiting without advice from poison control center.

**4.2. Most important symptoms and effects, both acute and delayed** Accidental exposure or contact might produce: nausea, fever, diarrhoea.

**4.3. Indication of any 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.

## SECTION 5: Firefighting measures

**General fire hazards** Flammable liquid and vapour.

- 5.1. Extinguishing media**  
**Suitable extinguishing media** Foam. Dry chemical powder. Carbon dioxide (CO2).  
**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.
- 5.2. Special hazards arising from the substance or mixture** During fire, gases hazardous to health may be formed.
- 5.3. Advice for firefighters**  
**Special protective equipment for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  
**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. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.
- For emergency responders** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.

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

- 6.3. Methods and material for containment and cleaning up** Keep combustibles (wood, paper, oil etc) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapours or divert vapour cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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

- 7.1. Precautions for safe handling** Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Avoid release to the environment. No special control measures required for the normal handling of this product.

- 7.2. Conditions for safe storage, including any incompatibilities** Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. 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

Components	Type	Value	Note
SULFAMETHOXAZOLE (CAS 723-46-6)	8 HR TWA	2000 mcg/m3	
TRIMETHOPRIM (CAS 738-70-5)	OHC 8 HR TWA	1 500 mcg/m3	
TRIS(HYDROXYMETHYL)A MINOMETHANE (CAS 77-86-1)	OHC OHC	2 1	PROVISIONAL

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value	Form
ETHYL ALCOHOL, 90-99% (CAS 64-17-5)	TWA	1920 mg/m3	
Propylene glycol (CAS 57-55-6)	TWA	1000 ppm	Total vapour and particulates. Particulate. Total vapour and particulates.
		474 mg/m3	
		10 mg/m3 150 ppm	
SODIUM HYDROXIDE (CAS 1310-73-2)	STEL	2 mg/m3	
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).		
<b>Recommended monitoring procedures</b>	Follow standard monitoring procedures.		
<b>Derived no-effect level (DNEL)</b>	Not available.		
<b>Predicted no effect concentrations (PNECs)</b>	Not available.		
<b>Exposure guidelines</b>			
<b>8.2. Exposure controls</b>			
<b>Appropriate engineering controls</b>	General ventilation normally adequate. 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.		
<b>Individual protection measures, such as personal protective equipment</b>			
<b>General information</b>	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.		
<b>Eye/face protection</b>	If contact is likely, safety glasses with side shields are recommended. (e.g. EN 166). Not normally needed.		
<b>Skin protection</b>			
<b>- Hand protection</b>	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.		
<b>- Other</b>	Wear suitable protective clothing as protection against splashing or contamination. (EN 14605 for splashes, EN ISO 13982 for dust). Not normally needed.		
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. 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). No personal respiratory protective equipment normally required.		
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.		
<b>Hygiene measures</b>	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.		
<b>Environmental exposure controls</b>			
<b>Hazard guidance and control recommendations</b>	Inform appropriate managerial or supervisory personnel of all environmental releases.		

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

<b>Physical state</b>	Liquid.
<b>Form</b>	Aqueous solution.
<b>Colour</b>	Not available.
<b>Odour</b>	Not available.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.

<b>Flash point</b>	44 - 45 °C (111.2 - 113 °F) Closed cup (Estimation based on components).
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Solubility (other)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.
<b>9.2. Other information</b>	No relevant additional information available.

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Strong acids.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>10.5. Incompatible materials</b>	Strong oxidising agents. Peroxides. Phenols.
<b>10.6. Hazardous decomposition products</b>	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

## SECTION 11: Toxicological information

<b>General information</b>	Occupational exposure to the substance or mixture may cause adverse effects.	
<b>Information on likely routes of exposure</b>		
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.	
<b>Skin contact</b>	Health injuries are not known or expected under normal use.	
<b>Eye contact</b>	Health injuries are not known or expected under normal use.	
<b>Ingestion</b>	Health injuries are not known or expected under normal use.	
<b>Symptoms</b>	Accidental exposure or contact might produce: nausea, fever, diarrhoea.	
<b>11.1. Information on toxicological effects</b>		
<b>Acute toxicity</b>	Expected to be a low hazard for usual industrial or commercial handling by trained personnel. Health injuries are not known or expected under normal use.	

Components	Species	Test results
ETHYL ALCOHOL, 90-99% (CAS 64-17-5)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
SODIUM HYDROXIDE (CAS 1310-73-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	1350 mg/kg
<i>Oral</i>		
LD50	Rat	104 - 340 mg/kg

Components	Species	Test results
SULFAMETHOXAZOLE (CAS 723-46-6)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
TRIMETHOPRIM (CAS 738-70-5)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	1360 mg/kg
* Estimates for product may be based on additional component data not shown.		
<b>Skin corrosion/irritation</b>	Health injuries are not known or expected under normal use. May be irritating to the skin.	
<b>Corrosivity</b>		
SULFAMETHOXAZOLE	Acute dermal irritation Result: negative Species: Rabbit	
<b>Irritation Corrosion - Skin</b>		
TRIMETHOPRIM	Acute dermal irritation Result: negative Species: Rabbit	
<b>Serious eye damage/eye irritation</b>	Health injuries are not known or expected under normal use. May be irritating to eyes.	
<b>Eye</b>		
SULFAMETHOXAZOLE	Acute ocular irritation Result: negative Species: Rabbit	
<b>Respiratory sensitisation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.	
<b>Skin sensitisation</b>	Health injuries are not known or expected under normal use.	
<b>Sensitisation</b>		
SULFAMETHOXAZOLE	Maximisation assay (Magnusson and Kligman) Result: negative Species: Guinea pig	
TRIMETHOPRIM	Maximisation assay (Magnusson and Kligman) Result: negative Species: Guinea pig	
<b>Germ cell mutagenicity</b>	Health injuries are not known or expected under normal use.	
<b>Mutagenicity</b>		
SULFAMETHOXAZOLE	Ames Assay, GLP assay Result: negative	
TRIMETHOPRIM	Ames Assay, GLP assay; Literature data Result: negative Chromosomal Aberration Assay In Vitro, CHO cells, Literature data Result: Equivocal (chromosome damage)	
SULFAMETHOXAZOLE	Chromosomal Aberration Assay In Vitro, human peripheral lymphocytes Result: negative	
TRIMETHOPRIM	Chromosomal Aberration Assay In Vitro, human peripheral lymphocytes, Literature data Result: negative	
SULFAMETHOXAZOLE	Micronucleus Assay in vitro, cultured human peripheral lymphocytes Result: positive	
TRIMETHOPRIM	Micronucleus Assay in vitro, cultured human peripheral lymphocytes, Literature data Result: positive	
SULFAMETHOXAZOLE	Syrian Hamster Embryo (SHE) cell transformation assay Result: positive	
<b>Carcinogenicity</b>	Carcinogenic effects are not expected as a result of occupational exposure. High concentrations or doses administered over an extended period of time were required to produce adverse effects.	
SULFAMETHOXAZOLE	2 year bioassay Result: Positive (thyroid tumours) Species: Rat	
TRIMETHOPRIM	SAR / QSAR, DEREK, Lhasa, UK Result: No structural alerts identified.	

**IARC Monographs. Overall Evaluation of Carcinogenicity**

SULFAMETHOXAZOLE (CAS 723-46-6)

3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity**

Health injuries are not known or expected under normal use. These effects are linked only to high doses of this substance; low doses did not produce this adverse effect.

**Reproductivity**

TRIMETHOPRIM

Embryo-foetal development - Oral, Literature data  
 Result: Teratogenic and embryotoxic; folic acid antagonist;  
 adverse effects noted at oral doses 40X equivalent of  
 therapeutic dose  
 Species: Rat  
 Embryo-foetal development - Oral, Literature data  
 Result: Teratogenic and embryotoxic; folic acid antagonist;  
 adverse effects noted at oral doses 6X equivalent of  
 therapeutic dose  
 Species: Rabbit  
 Fertility, Literature data  
 Result: NOAEL / fertility = 70 mg/kg/day (male) and 14  
 mg/kg/day (female) (maximum doses)  
 Species: Rat

**Specific target organ toxicity - single exposure**

Not assigned.

**Specific target organ toxicity - repeated exposure**

Not assigned.

**Aspiration hazard**

No studies have been conducted.

**Mixture versus substance information**

No information available.

**Other information**

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

**SECTION 12: Ecological information**

**12.1. Toxicity**

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

**Components**

**Species**

**Test results**

Propylene glycol (CAS 57-55-6)

*Acute*

IC50

Activated sludge

> 1000 mg/l, 3 hours

**Aquatic**

*Acute*

Algae

EC50

Green algae (Selenastrum capricornutum)

19000 mg/l, 14 days

NOEC

Green algae (Selenastrum capricornutum)

15000 mg/l, 14 days

Crustacea

EC50

Daphnia

43500 mg/l, 48 hours

NOEC

Daphnia

28500 mg/l, 48 hours

Fish

EC50

Fathead minnow (Adult Pimephales promelas)

51400 mg/l, 96 hours Static test

Rainbow trout (Adult Oncorhyncus mykiss)

51600 mg/l, 96 hours Static test

NOEC

Fathead minnow (Adult Pimephales promelas)

41000 mg/l, 96 hours Static test

Rainbow trout (Adult Oncorhyncus mykiss)

42000 mg/l, 96 hours Static test

Microtox

EC50

Microtox

51400 mg/l, 30 minutes

SODIUM HYDROXIDE (CAS 1310-73-2)

**Aquatic**

*Acute*

Fish

EC50

Mosquito fish (Adult Gambusia affinis)

125 mg/l, 96 hours Static test

Rainbow trout (Adult Oncorhyncus mykiss)

45.4 mg/l, 96 hours Static test

Components	Species	Test results
<b>SULFAMETHOXAZOLE (CAS 723-46-6)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Activated Sludge Respiration	IC50 Residential sludge	> 100 mg/l, 3 hours Nominal, OECD 209
Algae	EC50 Blue-green algae ( <i>S. leopolensis</i> )	0.0268 mg/l, 96 hours Measured
	NOEC Blue-green algae ( <i>S. leopolensis</i> )	0.0059 mg/l
Crustacea	EC50 Water flea ( <i>Ceriodaphnia dubia</i> )	15.51 mg/l, 48 hours OECD 202
	Water flea ( <i>Daphnia magna</i> )	> 100 mg/l, 48 hours , OECD 202
Fish	EC50 Rainbow trout (Adult <i>Oncorhynchus mykiss</i> )	> 1000 mg/l
	NOEC Zebra fish (Adult <i>Brachydanio rerio</i> )	> 8 mg/l, 10 days
<i>Chronic</i>		
Crustacea	NOEC Water flea ( <i>Ceriodaphnia dubia</i> )	0.25 mg/l, 7 days 7 day static renewal, EPA 1002 Method

<b>TRIMETHOPRIM (CAS 738-70-5)</b>		
<i>Acute</i>		
	IC50 Activated sludge	17.8 mg/l
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50 Green algae ( <i>Selenastrum capricornutum</i> )	110 mg/l, 72 hours
Crustacea	EC50 Water flea ( <i>Daphnia magna</i> )	123 mg/l, 48 hours
Fish	NOEC Zebra fish (Adult <i>Brachydanio rerio</i> )	100 mg/l, 72 hours
<i>Chronic</i>		
Crustacea	LOEC Water flea ( <i>Ceriodaphnia dubia</i> )	10 mg/l, 7 days 7 day static renewal
	NOEC Water flea ( <i>Ceriodaphnia dubia</i> )	5.6 mg/l, 7 days

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

## 12.2. Persistence and degradability

### Photolysis

#### Half-life (Photolysis-aqueous)

Propylene glycol 1.3 - 2.3 years Estimated  
SULFAMETHOXAZOLE 2.4 Days Measured

#### Half-life (Photolysis-atmospheric)

Propylene glycol 32 Hours Estimated

### Biodegradability

#### Percent degradation (Aerobic biodegradation-inherent)

Propylene glycol 62 %, 5 days BOD5, Activated sludge  
79 %, 20 Days BOD20, Activated sludge  
SULFAMETHOXAZOLE 0 %, 28 days Zahn-Wellens  
44 %, 13 days Modified Zahn-Wellens, primary biodegradation, loss of parent., Activated sludge  
TRIMETHOPRIM 50 %, 42 days, Activated sludge  
50 %, 75 days, Sediment

#### Percent degradation (Anaerobic biodegradation)

Propylene glycol 100 %, 9 days  
TRIMETHOPRIM 50 %, 100 days, Sediment

## 12.3. Bioaccumulative potential Not available.

### Partition coefficient

#### n-octanol/water (log Kow)

ETHYL ALCOHOL, 90-99% -0.31  
Propylene glycol -1.35  
SULFAMETHOXAZOLE 0.68  
TRIMETHOPRIM 0.91  
0.96

### Bioconcentration factor (BCF)

Propylene glycol < 1 Estimated



TRIMETHOPRIM

3 Estimated

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

SULFAMETHOXAZOLE

0.01 Measured, pH 7

TRIMETHOPRIM

1.88 Measured

**Soil/sediment sorption - log Koc**

TRIMETHOPRIM

1.88 Estimated

**Mobility in general****Volatility****Henry's law**

Propylene glycol

0 atm m<sup>3</sup>/mol Estimated

SULFAMETHOXAZOLE

0 atm m<sup>3</sup>/mol, 25 C Estimated

TRIMETHOPRIM

0 atm m<sup>3</sup>/mol Estimated

**12.5. Results of PBT and vPvB assessment** Not available.

**12.6. Other adverse effects** Not available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>Residual waste</b>	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.
<b>Contaminated packaging</b>	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.
<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	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.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

**SECTION 14: Transport information****ADR**

<b>14.1. UN number</b>	UN1170
<b>14.2. UN proper shipping name</b>	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
<b>14.3. Transport hazard class(es)</b>	
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	30
<b>Tunnel code</b>	D/E
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	No.
<b>14.6. Special precautions for user</b>	Not available.

**IATA**

<b>14.1. UN number</b>	UN1170
<b>14.2. UN proper shipping name</b>	Ethanol solution
<b>14.3. Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	-
<b>14.4. Packing group</b>	III
<b>14.5. Environmental hazards</b>	No.
<b>Labels required</b>	3
<b>ERG Code</b>	3L
<b>14.6. Special precautions for user</b>	Not available.
<b>Other information</b>	
<b>Cargo aircraft only</b>	Allowed.

**Additional Information:**

**Passenger & cargo** Allowed.

**IMDG**

**14.1. UN number** UN1170  
**14.2. UN proper shipping name** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**14.3. Transport hazard class(es)**

**Class** 3  
**Subsidiary risk** -  
**Label(s)** 3

**14.4. Packing group** III

**14.5. Environmental hazards**

**Marine pollutant** No.

**EmS** F-E, S-D

**14.6. Special precautions for user** Not available.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 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.

**ADR; IATA; IMDG**

**General information**

Classifications are for the material when offered for transport as fully regulated. Depending on the specific transport details (Ship-From/Ship To locations, quantities being shipped, type of packaging and mode of transport) it may be possible to ship this material in a manner other than fully regulated. (One example is IATA Limited or Excepted Quantity. There are others.) Be sure to review all regulatory agency packaging instructions and special provisions, referenced in this section, to identify options applicable to the specifics of your shipment.

**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**

Material name: SEPTRIN FOR INFUSION

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**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

ETHYL ALCOHOL, 90-99% (CAS 64-17-5)

**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 protection of the health and safety of workers from the risks related to chemical agents at work**

ETHYL ALCOHOL, 90-99% (CAS 64-17-5)

SODIUM HYDROXIDE (CAS 1310-73-2)

**Directive 94/33/EC on the protection of young people at work**

SODIUM HYDROXIDE (CAS 1310-73-2)

**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 information**

**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**

R10 Flammable.  
R11 Highly flammable.  
R22 Harmful if swallowed.  
R35 Causes severe burns.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
H225 Highly flammable liquid and vapour.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H319 Causes serious eye irritation.  
H350 May cause cancer.  
H411 Toxic to aquatic life with long lasting effects.

**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: Material Transportation Information  
Regulatory Information: Risk Phrases - Class.  
GHS: Classification

**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.