# SAFETY DATA SHEET



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

1.1. Product identifier

Trade name or designation

**BEECHAMS CAPLETS** 

of the mixture

Registration number

BEECHAMS FLU PLUS CAPLETS \* BEECHAMS ACTIVE COLD RELIEF CAPLETS \* **Synonyms** 

PARACETAMOL 500 MG, CAFFEINE 25 MG AND PHENYLEPHRINE HYDROCHLORIDE 5 MG

CAPLETS \* PARACETAMOL, CAFFEINE AND PHENYLEPHRINE HYDROCHLORIDE,

FORMULATED PRODUCT

Issue date 25-August-2014

Version number

**Revision date** 25-August-2014 13-August-2014 Supersedes date

#### 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 Website: www.gsk.com

1.4. Emergency telephone

number

TRANSPORT EMERGENCIES::

UK In-country toll call: +(44)-870-8200418 +1 703 527 3887 International toll call:

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.

Supplemental label information

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

Material name: BEECHAMS CAPLETS

# General information

eral information						
Chemical name		%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
PARACETAMOL		< 75	103-90-2 203-157-5	-	-	
Classification:	DSD:	Xn;R22, R52/53				
	CLP:	Acute Tox. 4;H30	2, Aquatic Chronic	3;H412		
ALPHA-AMYLODEXTRIN	N	3 - < 5	9005-84-9	-	-	
Olasaifiaatiaa	DOD:		232-686-4			
Classification:	DSD: CLP:					
	CLP:	-				
MICROCRYSTALLINE C	ELLULO	SE 3-<5	9004-34-6 232-674-9	-	-	
Classification:	DSD:	-				
	CLP:	-				
PREGELATINIZED STAF	RCH	3 - < 5	9005-25-8 232-679-6	-	-	
Classification:	DSD:	-	202 070 0			
	CLP:	-				
L-ASCORBIC ACID		< 7.5	50-81-7 200-066-2	-	-	
Classification:	DSD:	-				
	CLP:	-				
CAFFEINE		< 5	58-08-2 200-362-1	-	613-086-00-5	
Classification:	DSD:	Xn;R22	200 002 .			
	CLP:	Acute Tox. 4;H30	)2			
Starch		< 5	9005-25-8 232-679-6	-	-	
Classification:	DSD:	-	202 0.0 0			
	CLP:	-				
Talc		< 5	14807-96-6 238-877-9	-	-	
Classification:	DSD:	-				
	CLP:	-				
HYDROXYPROPYL MET CELLULOSE	ΓHYL	1 - < 3	9004-65-3	-	-	
Classification:	DSD:	-				
	CLP:	-				
MAIZE STARCH		1 - < 3	9005-25-8 232-679-6	-	-	
Classification:	DSD:	-	202 010-0			

CAS-No. / EC No. REACH Registration No. INDEX No. **Chemical name** % **Notes MASTERCOTE FA 1202** < 1 Classification: DSD: -CLP: -**PHENYLEPHRINE** < = 1 61-76-7 **HYDROCHLORIDE** 200-517-3 Classification: **DSD:** Repr. Cat. 3;R62-63, T;R24, Xn;R22, Xi;R37, N;R50/53 CLP: Acute Tox. 4;H302, Acute Tox. 3;H311, Acute Tox. 4;H312, STOT SE 3;H335, Repr. 2;H361, Aquatic Acute 1;H400, Aquatic Chronic 1;H410 Polyvinylpyrrolidone < 1 9003-39-8 Classification: **DSD:** R52/53 CLP: Aquatic Chronic 3;H412 Stearic acid < 1 57-11-4 200-313-4 Classification: DSD: -CLP: -DODECYL SODIUM SULFATE < 0.2 151-21-3 205-788-1 Classification: **DSD:** F;R11, Xn;R22, Xi;R36/38 CLP: Flam. Sol. 1;H228, Acute Tox. 4;H302, Skin Irrit. 2;H315, Eye Irrit. 2;H319, **STOT SE 3;H335** Polyethylene glycol < 0.2 68130-99-4 Classification: DSD: -CLP: -Propylene glycol < 0.2 57-55-6 200-338-0 DSD: -Classification: CLP: -**ETHYLCELLULOSE** < 0.1 9004-57-3 Classification: DSD: -CLP: -FD & C YELLOW #6 < 0.1 2783-94-0 220-491-7 Classification: DSD: -CLP: -POTASSIUM SORBATE < 0.1 24634-61-5 246-376-1 **DSD:** Xi;R36/38 Classification: CLP: Skin Irrit. 2;H315, Eye Irrit. 2;H319 < 15

Material name: BEECHAMS CAPLETS

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).

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

### **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

Move to fresh air. If breathing is difficult, trained personnel should give oxygen. Call a physician if Inhalation

symptoms develop or persist. Under normal conditions of intended use, this material is not

expected to be an inhalation hazard.

Skin contact Immediately flush skin with plenty of water. Take off contaminated clothing and wash before reuse.

Get medical attention if symptoms occur.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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

amount does occur, call a poison control centre immediately. Do not induce vomiting without

medical advice.

4.2. Most important symptoms and effects, both acute and

delayed

None known.

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 No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing

media

Water. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media

None known

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

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 people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

6.2. 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.

6.3. Methods and material for containment and cleaning up

Material name: BEECHAMS CAPLETS

Stop the flow of material, if this is without risk. Collect spillage. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimise dust generation and accumulation. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Sweep up or vacuum up spillage and collect in suitable container for disposal.

6.4. Reference to other

For personal protection, see section 8. For waste disposal, see section 13.

sections

# **SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. 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**

G	S	K
•	J	n

Components	Туре	Value	
CAFFEINE (CAS 58-08-2)	8 HR TWA	200 mcg/m3	
	OHC	2	
DODECYL SODIUM SULFATE (CAS 151-21-3)	OHC	2	
HYDROXYPROPYL METHYL CELLULOSE (CAS 9004-65-3)	OHC	1	
L-ASCORBIC ACID (CAS 50-81-7)	8 HR TWA	5000 mcg/m3	
,	OHC	1	
MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)	OHC	1	
PARACETAMOL (CAS 103-90-2)	8 HR TWA	4000 mcg/m3	
,	OHC	1	
PHENYLEPHRINE HYDROCHLORIDE (CAS 61-76-7)	15 MIN STEL	200 mcg/m3	
,	8 HR TWA	30 mcg/m3	
	OHC	3	
=			

# UK. EH40 Workplace Exposure Limits (WELs)

Components	Туре	Value	Form
MAIZE STARCH (CAS 9005-25-8)	TWA	4 mg/m3	Respirable.
,		10 mg/m3	Inhalable
MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)	STEL	20 mg/m3	Inhalable dust.
·	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
PARACETAMOL (CAS 103-90-2)	TWA	10 mg/m3	Inhalable dust.
PREGELATINIZED STARCH (CAS 9005-25-8)	TWA	4 mg/m3	Respirable.
,		10 mg/m3	Inhalable
Propylene glycol (CAS 57-55-6)	TWA	474 mg/m3	Total vapour and particulates.
,		10 mg/m3	Particulate.
		150 ppm	Total vapour and particulates.
Starch (CAS 9005-25-8)	TWA	4 mg/m3	Respirable.
·		10 mg/m3	Inhalable
Talc (CAS 14807-96-6)	TWA	1 mg/m3	Respirable dust.

**Biological limit values** 

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

Recommended monitoring

Follow standard monitoring procedures.

procedures

Derived no-effect level (DNEL) Not available.

Material name: BEECHAMS CAPLETS

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering

controls

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.

Individual protection measures, such as personal protective equipment

Personal protection equipment should be chosen according to the CEN standards and in **General information** 

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 Not normally needed. If contact is likely, safety glasses with side shields are recommended. (eq.

EN 166)

Skin protection

- Hand protection Not normally needed. 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. Wear suitable protective clothing as protection against splashing or - Other

contamination. (EN 14605 for splashes, EN ISO 13982 for dust)

No personal respiratory protective equipment normally required. When workers are facing Respiratory protection

> 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).

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Always observe good personal hygiene measures, such as washing after handling the material Hygiene measures

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 control recommendations Contain spills and prevent releases and observe national regulations on emissions. 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** Solid. **Form** Caplet.

Colour Not available. Not available. Odour **Odour threshold** Not available. Not available. pН Melting point/freezing point Not available. Initial boiling point and boiling

range

Not available.

Not available. Flash point **Evaporation rate** Not available. Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Flammability limit - lower

Material name: BEECHAMS CAPLETS

Not available.

(%)

Flammability limit - upper Not available.

(%)

Vapour pressure

Not available. Not available.

Vapour density Not available. Relative density

Solubility(ies)

Not available. Solubility (water) Solubility (other) Not available. Partition coefficient Not available.

(n-octanol/water)

SDS LIK

Not available. **Auto-ignition temperature Decomposition temperature** Not available. Not available. **Viscosity Explosive properties** Not available. Oxidizing properties Not available.

No relevant additional information available. 9.2. Other information

# **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.

Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces 10.4. Conditions to avoid

with compressed air).

Alkali metals.

10.5. Incompatible materials

10.6. Hazardous

None known. Irritating and/or toxic fumes and gases may be emitted upon the products

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 exposure

Ingestion Harmful if swallowed. However, ingestion is not likely to be a primary route of occupational

exposure.

Inhalation Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact Health injuries are not known or expected under normal use.

Eye contact Health injuries are not known or expected under normal use. Direct contact with eyes may cause

temporary irritation.

**Symptoms** None known.

#### 11.1. Information on toxicological effects

Harmful if swallowed. Expected to be a low hazard for usual industrial or commercial handling by **Acute toxicity** 

trained personnel.

Components	Species	Test results
CAFFEINE (CAS 58-08-2)		

Acute

Dermal

LD50 Rat > 2000 mg/kg

Oral

LD50 Rat 192 mg/kg

**Subchronic** 

Oral

**NOAEL** Mouse 167 - 179 mg/kg/day Dosed in drinking

water - Continuous

Rat 151 - 174 mg/kg/day Dosed in drinking

water - Continuous

SDS LIK

DODECYL SODIUM SULFATE (CAS 151-21-3)

**Acute** 

Oral

LD50 Rat 1288 mg/kg

ETHYLCELLULOSE (CAS 9004-57-3)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg

Oral

> 5000 mg/kg LD50 Rat

Components **Species Test results** HYDROXYPROPYL METHYL CELLULOSE (CAS 9004-65-3) Acute Oral

LD50 Rat > 2000 mg/kg

L-ASCORBIC ACID (CAS 50-81-7)

Acute Oral LD50 Rat

11.9 g/kg

**Subchronic** 

Oral

NOAEL 2000 mg/kg/day Rat

MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6)

Acute Dermal

LD50 Rabbit > 2000 mg/kg

Oral

LD50 Rat > 2000 mg/kg

PARACETAMOL (CAS 103-90-2)

Acute Oral

LD50 Rat 1944 mg/kg TD Human >= 150 mg/kg

**Subacute** 

Oral

NOAEL Rat 12500 ppm, 14 Day dietary, continuous

**Subchronic** 

Oral

**NOAEL** 6200 ppm, 13 weeks dietary, continuous Rat

TD Rat >= 12500 ppm, 13 weeks dietary,

continuous

Other

LOAEL Mouse **NOAEL** Mouse 130 ppm, 61 weeks dietary, continuous 3200 ppm, 13 weeks dietary, continuous

Mouse

Rat

6100 ppm, 13 weeks dietary, continuous

1.25 %, 41 weeks dietary, continuous

0.3 %, 41 weeks dietary, continuous

PHENYLEPHRINE HYDROCHLORIDE (CAS 61-76-7)

Acute

TD

Oral

LD50 Rat 350 mg/kg

**Subacute** 

Oral

NOAEL Mouse 2000 ppm, 14 Day Dietary study, highest

dose tested.

Rat 2000 ppm, 14 Day Dietary study, highest

dose tested.

**Subchronic** 

Oral

LD Mouse 5000 - 20000 ppm, 12 weeks dietary study

5000 - 20000 ppm, 12 weeks dietary study

LOAEL Mouse 1250 ppm, 12 weeks dietary study

> Rat 1250 ppm, 12 weeks dietary study

Material name: BEECHAMS CAPLETS

Components Species Test results

Polyvinylpyrrolidone (CAS 9003-39-8)

Acute

Oral

LD50 Rat > 5000 mg/kg

POTASSIUM SORBATE (CAS 24634-61-5)

Acute

Oral

LD50 Rat 4340 mg/kg

Stearic acid (CAS 57-11-4)

**Acute** Oral

LD50 Rat > 5000 mg/kg

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

**Skin corrosion/irritation**Health injuries are not known or expected under normal use.

**Irritation Corrosion - Skin** 

L-ASCORBIC ACID Acute dermal irritation; OECD 404

Result: Non-irritant

Species: Rabbit

Notes: EU SCC Review 1986-1990

CAFFEINE Literature data

Result: Non-irritant Species: Rabbit

PHENYLEPHRINE HYDROCHLORIDE

Supplier SDS Result: Non-irritant Species: Rabbit

Notes: US Pharmacopeia

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

PARACETAMOL OECD 404, Literature data

Result: Slight irritant Species: Rabbit

Serious eye damage/eye

Health injuries are not known or expected under normal use.

irritation

Eye

L-ASCORBIC ACID Acute ocular irritation; OECD 405

Result: Slight irritant Species: Rabbit

Notes: EU SCC Review 1986-1990

PHENYLEPHRINE HYDROCHLORIDE Clinical use

Result: Pharmacological, cardiovascular effects.

Species: Human

CAFFEINE Literature data

Result: Not likely to be a severe irritant

Species: Rabbit

PARACETAMOL OECD 405

Result: Slight irritant Species: Rabbit

PHENYLEPHRINE HYDROCHLORIDE Supplier SDS
Result: Irritant

Eye / Initial pain reaction score

PARACETAMOL Literature data

Respiratory sensitisation Not available.

**Skin sensitisation** This product is not expected to cause skin sensitisation.

Maximisation assay (Magnusson and Kligman)

HYDROXYPROPYL METHYL CELLULOSE Result: negative

Species: Guinea pig

Sensitisation

PHENYLEPHRINE HYDROCHLORIDE Clinical use - Opthalmology

Result: Low incidence of contact hypersensitivity.

Species: Human Literature data

CAFFEINE Literature dat Result: negat

Result: negative Species: Mouse

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

mutagenic or genotoxic.

Mutagenicity

**CAFFEINE** 

**CAFFEINE** 25 - 100 mg/kg Chromosomal Aberration Assay In Vivo

Result: positive Species: Mouse

25 - 100 mg/kg Micronucleus Assay

Result: negative Species: Mouse

Ames

Result: negative Ames

PHENYLEPHRINE HYDROCHLORIDE

Result: negative

Notes: NTP Study report - Phenylephrine.

**PARACETAMOL** Ames, Literature data Result: negative

**CAFFEINE** Chromosomal Aberration Assay In Vitro

Result: positive

PHENYLEPHRINE HYDROCHLORIDE Chromosomal Aberration Assay In Vitro, CHO cells

Result: negative

Notes: NTP Study report - Phenylephrine.

**PARACETAMOL** Chromosomal Aberration Assay In Vitro, Literature data

Result: positive

HPRT gene mutation in human lymphocytes, Literature data

Result: negative In vivo Micronucleus

Result: positive **PARACETAMOL** In vivo Micronucleus, Literature data

Result: negative Species: Mouse

L5178Y mouse lymphoma thymidine kinase locus assay PHENYLEPHRINE HYDROCHLORIDE

Result: Equivocal

Notes: NTP Study report - Phenylephrine.

**CAFFEINE** L5178Y mouse lymphoma thymidine kinase locus assay

Result: positive

sister chromatid exchange PHENYLEPHRINE HYDROCHLORIDE

Result: positive

Notes: NTP Study report - Phenylephrine.

Carcinogenicity Health injuries are not known or expected under normal use. Contains a material (talc) classified

as a carcinogen by external agencies. High concentrations or doses administered over an

extended period of time were required to produce adverse effects.

0.1 - 0.2 %, Dosed in drinking water **CAFFEINE** 

Result: negative Species: Rat

Test Duration: 78 weeks 1000 - 2000 mg/kg/day L-ASCORBIC ACID

Result: negative Species: Rat

Notes: UN SIDS Dossier

133 - 270 mg/kg/day PHENYLEPHRINE HYDROCHLORIDE

Result: negative Species: Mouse

Test Duration: 103 weeks

Notes: NTP Report - Tox and carc studies with phenylephrine

hydrochloride.

**CAFFEINE** 200 - 2000 mg/l, Dosed in drinking water

Result: negative Species: Rat

Test Duration: 2 years

PHENYLEPHRINE HYDROCHLORIDE 24 - 50 mg/kg/day

Result: negative Species: Rat

Test Duration: 103 weeks

Notes: NTP Report - Tox and carc studies with phenylephrine

hydrochloride.

L-ASCORBIC ACID < 6000 mg/kg/day

Result: negative Species: Mouse

Notes: UN SIDS Dossier

**PARACETAMOL** Literature data

Result: Equivocal. Increase in ademomas at toxic dose.

Species: Mouse Literature data

Result: Equivocal. Liver and bladder neoplasms at toxic doses.

Species: Rat

Carcinogenicity

PARACETAMOL Literature data

Result: negative Species: Mouse Literature data Result: negative Species: Rat

IARC Monographs. Overall Evaluation of Carcinogenicity

CAFFEINE (CAS 58-08-2) 3 Not classifiable as to carcinogenicity to humans.

FD & C YELLOW #6 (CAS 2783-94-0)

PARACETAMOL (CAS 103-90-2)

POLYVINYLPYRROLIDONE (CAS 9003-39-8)

3 Not classifiable as to carcinogenicity to humans.
3 Not classifiable as to carcinogenicity to humans.
3 Not classifiable as to carcinogenicity to humans.

TALC (CAS 14807-96-6) 2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans.

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

laboratory animals. These effects are linked only to high doses of this substance; low doses did

not produce this adverse effect.

Reproductivity

**CAFFEINE** 

L-ASCORBIC ACID 1.5 - 100 mg/kg/day Embryo-foetal development

Result: No adverse foetal effects observed

Species: Guinea pig

Notes: EU SCC Review 1986-1990
CAFFEINE 100 mg/kg/day Embryofetal Development

Result: Maternal toxicity; adverse foetal effects

Species: Rat

L-ASCORBIC ACID 200 - 2000 mg/kg/day Embryo-foetal development

Result: No adverse foetal effects observed

Species: Rat

Notes: EU SCC Review 1986-1990

25 mg/kg Embryofetal Development

Result: No effect Species: Rat

PARACETAMOL 250 mg/kg/day Embryofetal Development, Literature data

Result: Foetal NOAEL

Species: Rat 300 mg/kg/day

CAFFEINE 300 mg/kg/da

Result: testicular toxicity

Species: Rat

Test Duration: 75 Day

PARACETAMOL 387 mg/kg/day Embryofetal Development, Literature data

Result: negative Species: Mouse

L-ASCORBIC ACID 5.2 - 520 mg/kg/day Embryo-foetal development

Result: No adverse foetal effects observed

Species: Mouse

Notes: EU SCC Review 1986-1990

PARACETAMOL 750 mg/kg/day Embryofetal Development, Literature data

Result: decrease in foetal weght, minor skeletal

abnormalities. Species: Rat

CAFFEINE 87.5 mg/kg/day Embryofetal Development

Result: Maternal toxicity; adverse foetal effects

Species: Mouse

PARACETAMOL <= 1400 mg/kg/day Pre- and Post-natal development,

Literature data

Result: reduced weight gain during nursing.

Species: Rat

CAFFEINE >= 301 mg/day Epidemiology

Result: delayed conception

Species: Human

PHENYLEPHRINE HYDROCHLORIDE Epidemiology

Result: Equivocal, evidence of malformations, or other adverse foetal effectw from clinical use. Other studies show

no such association. Species: Human

PARACETAMOL Epidemiology, Literature data

Result: No clear association with therapeutic use.

Species: Human

PHENYLEPHRINE HYDROCHLORIDE Result: Foetal growth retardation and onset of early delivery

at doses equivalent to clinical exposure.

Species: Rabbit

Causes damage to organs. Specific target organ toxicity single exposure

PHENYLEPHRINE HYDROCHLORIDE Clinical use

Organ: Cardiovascular effects, some marked.

Literature data

Organ: Nervous system; Cardiovascular system

**PARACETAMOL** Species: Human

Organ: Liver

Species: Human

Specific target organ toxicity -

**CAFFEINE** 

repeated exposure

May cause damage to organs through prolonged or repeated exposure by ingestion.

L-ASCORBIC ACID

Organ: Red blood cells, kidneys. Notes: EU SCC Review 1986-1990

**Aspiration hazard** Not likely, due to the form of the product.

Mixture versus substance

information

No information available.

Other information Caution - Pharmaceutical agent.

# **SECTION 12: Ecological information**

12.1. Toxicity The product contains a substance which may cause long-term adverse effects in the environment.

Components		Species	Test results
CAFFEINE (CAS 58-08-2)			
Aquatic			
Acute			
Activated Sludge Respiration	IC50	Residential sludge	> 1000 mg/l, 3 hours Nominal, OECD 209
	NOEC	Residential sludge	1000
Algae	EC50	Green algae (Desmodesmus subspicatus)	> 100 mg/l, 72 hours OECD 201
		Green algae (Scenedesmus subspicatus)	> 100 mg/l, 72 hours Measured, OECD 201
	NOEC	Algae	100 mg/l
Crustacea	EC50	Water flea (Daphnia magna)	182 mg/l, 48 hours German std DIN 38412
Fish	LC50	Fathead minnow (Adult Pimephales promelas)	151 mg/l, 96 hours OECD 203
		Golden ide/orfe (Adult Leuciscus idus)	87 mg/l, 96 hours German std DIN 38412 Part 15
Chronic			
Algae	NOEC	Green algae (Desmodesmus subspicatus)	6.25 mg/l, 72 hours OECD 201
DODECYL SODIUM SULFAT	E (CAS 151-21-	3)	
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	5.4 mg/l, 48 hours Static test
Fish	EC50	Rainbow trout (Adult Oncorhyncus mykiss)	4.6 mg/l, 96 hours Flow-through test
Chronic			
Algae	NOEC	Green algae (Desmodesmus subspicatus)	30 mg/l, 72 hours
Crustacea	NOEC	Ceriodaphnia dubia	0.88 mg/l, 7 days Flow-though Test
Fish	NOEC	Fathead minnow (Pimephales promelas)	3.8 mg/l, 28 days Flow-through test
HYDROXYPROPYL METHYL	CELLULOSE (C	CAS 9004-65-3)	
Aquatic	`	•	
Acute			

Material name: BEECHAMS CAPLETS

EC50

Fish

Fish

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> 100 mg/l, 96 hours

L-ASCORBIC ACID (CAS 5		Species	Test results
4000011010 ACID (CAS 3	0-81-7)		
Aquatic			
Acute			
Fish	EC50	Rainbow trout (Adult Oncorhyncus mykiss)	1020 mg/l, 96 hours
'ARACETAMOL (CAS 103-	-90-2)		
Aquatic			
Acute	5050	0 1 (0 1	404 (1.70)
Algae	EC50	Green algae (Scenedesmus subspicatus)	134 mg/l, 72 hours
Crustacea	EC50	Water flea (Daphnia magna)	50 mg/l, 48 hours Static test
Fish	EC50	Fathead minnow (Juvenile Pimephales promelas)	814 mg/l, 96 hours Flow-through test
HENYLEPHRINE HYDRO	CHLORIDE (CAS	61-76-7)	
Aquatic			
Acute	F.C.F.O.	Croop algae (Salanastrum	> 124 mg/L 72 hours Magazired
Algae	EC50	Green algae (Selenastrum capricornutum)	> 124 mg/l, 72 hours Measured
	NOEC	Algae	31 mg/l, 72 hours
Crustacea	EC50	Water flea (Daphnia magna)	0.86 mg/l, 48 hours Measured
	NOEC	Daphnia	0.21 mg/l, 48 hours
Fish	EC50	Rainbow trout (Adult Oncorhyncus mykiss)	> 100 mg/l, 96 hours Measured
	NOEC	Rainbow trout (Adult Oncorhyncus mykiss)	100 mg/l, 96 hours
olyvinylpyrrolidone (CAS 9	9003-39-8)	,	
Acute			
	IC50	Activated sludge	> 1000 mg/l, 3 hours Static test
Aquatic			
Acute	F050	Water flag (Dankais manna)	04
Crustacea	EC50	Water flea (Daphnia magna)	84 mg/l, 48 hours Static test
	NOTO	Martin (Inc. (Declarity control)	
OT 1 OOU II 1 OODD 1 TE (O	NOEC	Water flea (Daphnia magna)	32 mg/l, 48 hours Static test
Aquatic		Water flea (Daphnia magna)	
Aquatic Acute	AS 24634-61-5)		32 mg/l, 48 hours Static test
Aquatic Acute Crustacea	EC50	Water flea (Daphnia magna)	32 mg/l, 48 hours Static test 750 mg/l, 48 hours
Aquatic Acute	AS 24634-61-5)	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss)	32 mg/l, 48 hours Static test
Aquatic Acute Crustacea	EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus	32 mg/l, 48 hours Static test  750 mg/l, 48 hours > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours
Aquatic Acute Crustacea	EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss)	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test
Aquatic Acute Crustacea Fish  Chronic	EC50 EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss) Zebra fish (Adult Brachydanio rerio)	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours  > 1000 mg/l, 96 hours
Aquatic Acute Crustacea Fish  Chronic Crustacea	EC50 EC50 EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss)	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours  > 1000 mg/l, 96 hours  901 mg/l, 24 hours
Aquatic Acute Crustacea Fish Chronic	EC50 EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss) Zebra fish (Adult Brachydanio rerio)	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours  > 1000 mg/l, 96 hours
Aquatic Acute Crustacea Fish  Chronic Crustacea Other  Propylene glycol (CAS 57-5	EC50 EC50 EC50 EC50 EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss) Zebra fish (Adult Brachydanio rerio) Water flea (Daphnia magna)	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours  > 1000 mg/l, 96 hours  901 mg/l, 24 hours
Aquatic Acute Crustacea Fish  Chronic Crustacea Other	EC50 EC50 EC50 EC50 EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss) Zebra fish (Adult Brachydanio rerio) Water flea (Daphnia magna) Bacteria	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours  > 1000 mg/l, 96 hours  901 mg/l, 24 hours  5000 mg/l, 21 hours
Aquatic Acute Crustacea Fish  Chronic Crustacea Other Propylene glycol (CAS 57-5 Acute	EC50 EC50 EC50 EC50 EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss) Zebra fish (Adult Brachydanio rerio) Water flea (Daphnia magna)	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours  > 1000 mg/l, 96 hours  901 mg/l, 24 hours
Aquatic Acute Crustacea Fish  Chronic Crustacea Other Propylene glycol (CAS 57-5 Acute  Aquatic	EC50 EC50 EC50 EC50 EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss) Zebra fish (Adult Brachydanio rerio) Water flea (Daphnia magna) Bacteria	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours  > 1000 mg/l, 96 hours  901 mg/l, 24 hours  5000 mg/l, 21 hours
Aquatic Acute Crustacea Fish  Chronic Crustacea Other Propylene glycol (CAS 57-5 Acute	EC50 EC50 EC50 EC50 EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss) Zebra fish (Adult Brachydanio rerio)  Water flea (Daphnia magna) Bacteria  Activated sludge  Green algae (Selenastrum	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours  > 1000 mg/l, 96 hours  901 mg/l, 24 hours  5000 mg/l, 21 hours
Acute Crustacea Fish  Chronic Crustacea Other Propylene glycol (CAS 57-5 Acute  Aquatic Acute	EC50 EC50 EC50 EC50 EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss) Zebra fish (Adult Brachydanio rerio)  Water flea (Daphnia magna) Bacteria  Activated sludge  Green algae (Selenastrum capricornutum) Green algae (Selenastrum	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours  > 1000 mg/l, 96 hours  901 mg/l, 24 hours  5000 mg/l, 21 hours  > 1000 mg/l, 3 hours
Aquatic Acute Crustacea Fish  Chronic Crustacea Other Propylene glycol (CAS 57-5 Acute  Aquatic Acute	EC50 EC50 EC50 EC50 EC50 EC50	Water flea (Daphnia magna) Rainbow trout (Adult Oncorhyncus mykiss) Zebra fish (Adult Brachydanio rerio)  Water flea (Daphnia magna) Bacteria  Activated sludge  Green algae (Selenastrum capricornutum)	32 mg/l, 48 hours Static test  750 mg/l, 48 hours  > 500 mg/l, 96 hours Static test  1250 mg/l, 48 hours  > 1000 mg/l, 96 hours  901 mg/l, 24 hours  5000 mg/l, 21 hours  > 1000 mg/l, 3 hours

Components		Species	Test results
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
Stearic acid (CAS 57-11-4)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	> 32 mg/l, 47 hours EU Method C.2
Fish	LC0	Carp (Cyprinus carpio)	1000 mg/l, 48 hours OECD 203
Talc (CAS 14807-96-6)			
Aquatic			
Acute			
Fish	EC50	Zebra fish (Adult Brachydanio rerio)	> 100 g/l, 24 hours Static renewal test

<sup>\*</sup> 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

Half-life (Photolysis-atmospheric)

**CAFFEINE** 2.5 Hours Estimated Propylene glycol 32 Hours Estimated Stearic acid 17 Hours Estimated

UV/visible spectrum wavelength

**CAFFEINE** 227 nm Stearic acid 210 nm

# **Biodegradability**

### Percent degradation (Aerobic biodegradation-inherent)

L-ASCORBIC ACID 100 %, 15 days Zahn-Wellens

**PARACETAMOL** 99 %, 5 days Modified Zahn-Wellens, Activated sludge PHENYLEPHRINE HYDROCHLORIDE 81 %, 28 days Modified Zahn-Wellens, DOC removal.,

Activated sludge

99 %, 7 days Modified Zahn-Wellens, primary biodegradation, loss of parent., Activated sludge

POTASSIUM SORBATE 95 %, 6 days Zahn-Wellens

Polyvinylpyrrolidone 0 %, 28 days Modified MITI test, Activated sludge

Propylene glycol 62 %, 5 days BOD5, Activated sludge 79 %, 20 Days BOD20, Activated sludge

77 %, 28 days BOD Stearic acid

Percent degradation (Aerobic biodegradation-ready)

DODECYL SODIUM SULFATE 95 % OECD 301 B Stearic acid 95 %, 22 days Sturm test

Percent degradation (Aerobic biodegradation-soil)

Stearic acid 50 %, 13 days

Percent degradation (Anaerobic biodegradation)

100 %, 9 days Propylene glycol

### 12.3. Bioaccumulative potential

#### Partition coefficient

# n-octanol/water (log Kow)

**CAFFEINE** -0.07 -0.0907 DODECYL SODIUM SULFATE 1.6 HYDROXYPROPYL METHYL CELLULOSE -5 L-ASCORBIC ACID -2.15 **PARACETAMOL** 0.36

PHENYLEPHRINE HYDROCHLORIDE 0.49 (Measured).

Propylene glycol -0.92 Propylene glycol -1.35 Stearic acid 8.23 8.42

**Bioconcentration factor (BCF)** 

CAFFEINE 0.52 - 2.25 Estimated

HYDROXYPROPYL METHYL CELLULOSE

Propylene glycol

Stearic acid

3.2 Estimated

< 1 Estimated

> 9999 Estimated

12.4. Mobility in soil

Adsorption

Soil/sediment sorption - log Koc

CAFFEINE 1.25 - 1.34 Estimated Stearic acid 5.86 Estimated

Mobility in general

Volatility

Henry's law

CAFFEINE 0 atm m^3/mol Estimated
HYDROXYPROPYL METHYL CELLULOSE 0 atm m3/mol Estimated
PARACETAMOL 0 atm m^3/mol Estimated
Propylene glycol 0 atm m^3/mol Estimated
Stearic acid 0.000051 Estimated

12.5. Results of PBT

Not available.

and vPvB assessment

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

### **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).

**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.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

**14.7. Transport in bulk** Not applicable.

according to Annex II of

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

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

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

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

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 CAFFEINE (CAS 58-08-2)

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

Not listed.

The product is classified and labelled in accordance with EC directives or respective national laws. Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**National regulations** 15.2. Chemical safety

Follow national regulation for work with chemical agents. No Chemical Safety Assessment has been carried out.

assessment

#### **SECTION 16: Other information**

List of abbreviations Not available

**GSK Hazard Determination** References

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

R11 Highly flammable. R22 Harmful if swallowed.

R24 Toxic in contact with skin. R36/38 Irritating to eyes and skin. R37 Irritating to respiratory system.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R62 Possible risk of impaired fertility.

R63 Possible risk of harm to the unborn child.

H228 Flammable solid. H302 Harmful if swallowed. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Material name: BEECHAMS CAPLETS

H361 Suspected of damaging fertility or the unborn child.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

Product and Company Identification: Synonyms **Revision information** 

**Disclaimer** 

Composition / Information on Ingredients: Ingredients

**Training information** Follow training instructions when handling this material.

> 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.