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

BEECHAMS HOT FLAVORS (WITH PARACETAMOL AND PHENYLEPHRINE HCL)

Registration number

Synonyms

BEECHAM HONEY LEMON * BEECHAMS HOT LEMON * BEECHAMS HOT BLACKCURRANT * BEECHAMS HOT BLACKCURRANT POWDER * BEECHAMS FLU PLUS HOT LEMON SACHETS * BEECHAMS FLU-PLUS HOT SOLUTION * BEECHAMS COLD AND FLU HOT LEMON AND HONEY * BEECHAMS COLD AND FLU SACHETS HOT LEMON AND HONEY (UK) * BEECHAMS COLD AND FLU SACHETS - HOT LEMON * BEECHAMS HOT LEMON WITH HONEY * BEECHAMS HOT HONEY LEMON (EIRE AND MEXICO) * PANADOL COLD AND FLU HOT LEMON AND HONEY * PARACETAMOL, ASCORBIC ACID, PHENYLEPHRINE HCL,

FORMULATED PRODUCT

Issue date 14-August-2014

Version number

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.

No other uses are advised. Uses advised against

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.qsk.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.

Supplemental label information None.

2.3. Other hazards Assume that this material is capable of sustaining combustion.

Caution - Pharmaceutical agent.

See section 11 for additional information on health hazards.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Material name: BEECHAMS HOT FLAVORS (WITH PARACETAMOL AND PHENYLEPHRINE HCL) SDS LIK 2829 Version No.: 09 Issue date: 14-August-2014

General information

eral information						
Chemical name		%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Sucrose		55 - < 68	5 57-50-1 200-334-9	-	-	
Classification:	DSD:	-				
	CLP:	-				
PARACETAMOL		10 - < 16	203-157-5	-	-	
Classification:		Xn;R22, R52/5				
	CLP:	Acute Tox. 4;h	H302, Aquatic Chronic	: 3;H412		
CITRIC ACID ANHYDRO	OUS 60/	120 6 - < 12	77-92-9 201-069-1	-	-	
Classification:	DSD:	Xi;R36				
	CLP:	Eye Irrit. 2;H3	19			
SODIUM CITRATE, ANI	HYDROU	JS 6 - < 12	68-04-2 200-675-3	-	-	
Classification:	DSD:					
	CLP:	-				
SODIUM CITRATE DIH	/DRATE	0 - < 12	6132-04-3 200-675-3	-	-	
Classification:	DSD:	-				
	CLP:	-				
LEMON FLAVOUR PFW	/ 610399	9E 0 - < 3.5	5 Unassigned	-	-	
Classification:	DSD:	R43, N;R51-5	3			
	CLP:	Skin Sens. 1;h	H317, Aquatic Chronic	2;H411		
Starch		0 - < 3.5	5 9005-25-8 232-679-6	-	-	
Classification:	DSD:	-	202 070 0			
	CLP:					
SODIUM CYCLAMATE		1 - 2	139-05-9 205-348-9	-	-	
Classification:	DSD:	Xn;R22	200-346-9			
		Acute Tox. 4;	1302			
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
SACCHARIN SODIUM S	SALT	0.5 - < 1	128-44-9 204-886-1	-	-	
Classification:	DSD:					
	CLP:	-				
		0.5 - <	50-81-7	_	_	
L-ASCORBIC ACID						
L-ASCORBIC ACID Classification:	DSD:	0.75	200-066-2			

Material name: BEECHAMS HOT FLAVORS (WITH PARACETAMOL AND PHENYLEPHRINE HCL) 2829 Version No.: 09 Issue date: 14-August-2014

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

PHENYLEPHRINE 0.15 - 0.261-76-7 **HYDROCHLORIDE**

200-517-3

Classification: **DSD:** Repr. Cat. 3;R62-63, T;R24, Xn;R22, Xi;R37, N;R50/53

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

Silicon dioxide 0 - < 0.057631-86-9

231-545-4

Classification: DSD: -

CLP: -

Other components below reportable levels < 10

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. Pre-placement and periodic health surveillance is not usually indicated. The final determination of the need for health surveillance should be determined by local

risk assessment.

4.1. Description of first aid measures

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

> If dust from the material is inhaled, remove the affected person immediately to fresh air. If breathing is difficult, trained personnel should give oxygen. If not breathing, give artificial

respiration.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists. Take off

contaminated clothing and wash before reuse.

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if Eye contact

irritation develops and persists.

If swallowed, rinse mouth with water (only if the person is conscious). If vomiting occurs, keep Ingestion

head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you

4.2. Most important symptoms and effects, both acute and

delayed

Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation,

redness, or discomfort.

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 Assume that this product is capable of sustaining combustion.

5.1. Extinguishing media

Suitable extinguishing

media

Alcohol resistant foam. Water spray. Water fog. Dry chemical powder.

Unsuitable extinguishing

media

Carbon dioxide (CO2).

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

In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so

without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. Cool containers exposed to flames with water until well after the fire is out.

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. Wear appropriate personal protective equipment. Wear a dust mask if dust is generated above exposure limits. Avoid inhalation of dust from the spilled material. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. 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 release to the environment. Prevent further leakage or spillage if safe to do so. Avoid

discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Minimise dust generation and accumulation. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Collect spillage. Collect dust using a vacuum cleaner equipped with HEPA filter. Sweep up or vacuum up spillage and collect in suitable container for disposal. Following product recovery, flush area with water. Prevent product from entering drains.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Minimise dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid breathing dust. Avoid contact with skin and eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Practice good housekeeping. Avoid release to the environment. Do not empty into drains

7.2. Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Guard against dust accumulation of this material. 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	
L-ASCORBIC ACID (CAS 50-81-7)	8 HR TWA	5000 mcg/m3	
,	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	
Silicon dioxide (CAS 7631-86-9)	OHC	1	
SODIUM CITRATE, ANHYDROUS (CAS 68-04-2)	8 HR TWA	5000 mcg/m3	
,	OHC	1	

UK. EH40 Workplace Exposure Limits (WELs)

Components	Туре	Value	Form
PARACETAMOL (CAS 103-90-2)	TWA	10 mg/m3	Inhalable dust.
Silicon dioxide (CAS 7631-86-9)	TWA	6 mg/m3	Inhalable dust.
		2.4 mg/m3	Respirable dust.
Starch (CAS 9005-25-8)	TWA	4 mg/m3	Respirable.
		10 mg/m3	Inhalable
Sucrose (CAS 57-50-1)	STEL	20 mg/m3	
,	TWA	10 mg/m3	

Material name: BEECHAMS HOT FLAVORS (WITH PARACETAMOL AND PHENYLEPHRINE HCL)

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Biological limit values

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

Recommended monitoring

procedures

Follow standard monitoring procedures.

Derived no-effect level (DNEL)

Not available. Not available.

Predicted no effect concentrations (PNECs)

8.2. Exposure controls

Appropriate engineering controls

General ventilation normally adequate. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL (occupational exposure limit), suitable

respiratory protection must be worn.

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.

Not normally needed. If contact is likely, safety glasses with side shields are recommended. (eg. Eye/face protection

EN 166)

Skin protection

Not normally needed. For prolonged or repeated skin contact use suitable protective gloves. Select - Hand protection

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)

Respiratory protection No personal respiratory protective equipment normally required. 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).

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. An occupational/industrial hygiene

monitoring method has been developed for this material.

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 Powder filled sachet.

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

range

Not available.

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

Flammability limit - lower

Not available.

Flammability limit - upper

(%)

Not available.

Vapour pressure Not available. Not available. Vapour density Not available. Relative density

Solubility(ies)

Solubility (water) Some components are soluble in water.

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

(n-octanol/water)

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

9.2. Other information No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability 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 Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Contact with

incompatible materials.

Alkali metals.

10.5. Incompatible materials

10.6. Hazardous

Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

decomposition products

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Expected to be a low ingestion hazard. Ingestion

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

Inhalation of dusts may cause respiratory irritation.

Skin contact No adverse effects due to skin contact are expected.

Dust in the eyes will cause irritation. Direct contact with eyes may cause temporary irritation. Eye contact

Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, **Symptoms**

redness, or discomfort.

11.1. Information on toxicological effects

Acute toxicity Health injuries are not known or expected under normal use.

Product Species Test results

BEECHAMS HOT FLAVORS (WITH PARACETAMOL AND PHENYLEPHRINE HCL)

Acute

Oral

LD50 > 2000 mg/kg Rat

Components **Species Test results**

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

Acute

Oral

LD50 Rat 11.9 g/kg

Subchronic

Oral

NOAEL Rat 2000 mg/kg/day

PARACETAMOL (CAS 103-90-2)

Acute

Oral

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

Subacute

Oral

NOAEL Rat 12500 ppm, 14 Day dietary, continuous

Components	Species	Test results
Subchronic		
<i>Oral</i> NOAEL	Rat	6200 ppm, 13 weeks dietary, continuous
TD	Rat	>= 12500 ppm, 13 weeks dietary, continuous
Other		
LOAEL	Mouse	130 ppm, 61 weeks dietary, continuous
NOAEL	Mouse	3200 ppm, 13 weeks dietary, continuous
		0.3 %, 41 weeks dietary, continuous
TD	Mouse	6100 ppm, 13 weeks dietary, continuous
		1.25 %, 41 weeks dietary, continuous
PHENYLEPHRINE HYDROCHL	ORIDE (CAS 61-76-7)	
Acute		
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
	Rat	5000 - 20000 ppm, 12 weeks dietary study
LOAEL	Mouse	1250 ppm, 12 weeks dietary study
	Rat	1250 ppm, 12 weeks dietary study
SODIUM CYCLAMATE (CAS 13	9-05-9)	
Acute		
Oral		
LD50	Rat	1280 mg/kg
* Estimates for product may		
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

Species: Rabbit

Notes: EU SCC Review 1986-1990

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 irritation

Dust in the eyes will cause irritation. Direct contact with eyes may cause temporary irritation.

Eve

Acute ocular irritation; OECD 405 Result: Slight irritant L-ASCORBIC ACID

Species: Rabbit

Notes: EU SCC Review 1986-1990

PHENYLEPHRINE HYDROCHLORIDE Clinical use

Result: Pharmacological, cardiovascular effects.

Species: Human

PARACETAMOL OECD 405

Result: Slight irritant Species: Rabbit

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Eye

PHENYLEPHRINE HYDROCHLORIDE Supplier SDS

Result: Irritant

Eye / Initial pain reaction score

PARACETAMOL Literature data

Respiratory sensitisation Due to partial or complete lack of data the classification is not possible.

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

Sensitisation

PHENYLEPHRINE HYDROCHLORIDE Clinical use - Opthalmology

Result: Low incidence of contact hypersensitivity.

Species: Human

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

mutagenic or genotoxic.

Mutagenicity

PHENYLEPHRINE HYDROCHLORIDE Ames

Result: negative

Notes: NTP Study report - Phenylephrine.

PARACETAMOL Ames, Literature data Result: negative

Chromosomal Aberration Assay In Vitro, CHO cells PHENYLEPHRINE HYDROCHLORIDE

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, Literature data

Result: negative Species: Mouse

PHENYLEPHRINE HYDROCHLORIDE L5178Y mouse lymphoma thymidine kinase locus assay

Result: Equivocal

Notes: NTP Study report - Phenylephrine.

sister chromatid exchange

Result: positive

Notes: NTP Study report - Phenylephrine.

Health injuries are not known or expected under normal use. Carcinogenicity

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. 24 - 50 mg/kg/day Result: negative Species: Rat

Test Duration: 103 weeks

Notes: NTP Report - Tox and carc studies with phenylephrine

hydrochloride. < 6000 mg/kg/day

L-ASCORBIC ACID Result: negative

Species: Mouse Notes: UN SIDS Dossier

Literature data

PARACETAMOL

Result: Equivocal. Increase in ademomas at toxic dose.

Species: Mouse Literature data

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

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

IARC Monographs. Overall Evaluation of Carcinogenicity

PARACETAMOL (CAS 103-90-2) 3 Not classifiable as to carcinogenicity to humans. SACCHARIN SODIUM SALT (CAS 128-44-9) 3 Not classifiable as to carcinogenicity to humans. SILICON DIOXIDE (CAS 7631-86-9) 3 Not classifiable as to carcinogenicity to humans. SODIUM CYCLAMATE (CAS 139-05-9) 3 Not classifiable as to carcinogenicity to humans.

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

laboratory animals.

Reproductivity

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

200 - 2000 mg/kg/day Embryo-foetal development Result: No adverse foetal effects observed

Species: Rat

Notes: EU SCC Review 1986-1990

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

Result: Foetal NOAEL

Species: Rat

387 mg/kg/day Embryofetal Development, Literature data

Result: negative Species: Mouse

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

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

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

Literature data

Result: reduced weight gain during nursing.

Species: Rat

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

Specific target organ toxicity -Causes damage to organs.

single exposure

PHENYLEPHRINE HYDROCHLORIDE Clinical use

Organ: Cardiovascular effects, some marked.

Species: Human

Organ: Liver

Specific target organ toxicity -

repeated exposure

PARACETAMOL

May cause damage to organs through prolonged or repeated exposure.

Species: Human

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

L-ASCORBIC ACID

information

No information available.

Other information Caution - Pharmaceutical agent.

SECTION 12: Ecological information

No information is available about the potential of this product to produce adverse environmental 12.1. Toxicity

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

environment.

Material name: BEECHAMS HOT FLAVORS (WITH PARACETAMOL AND PHENYLEPHRINE HCL) 2829 Version No.: 09 Issue date: 14-August-2014

Components			Species	Test results
L-ASCORBIC A	CID (CAS 50-81-	-7)		
Aquat	ic			
Acute				
Fish		EC50	Rainbow trout (Adult Oncorhyncus mykiss)	1020 mg/l, 96 hours
PARACETAMO	L (CAS 103-90-2	2)		
Aquat	ic			
Acute		E050	0	404 mm// 70 haven
Algae		EC50	Green algae (Scenedesmus subspicatus)	134 mg/l, 72 hours
Crusta	cea	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
PHENYLEPHR	INE HYDROCHL	ORIDE (CAS 61-7	⁷ 6-7)	
Aquat	ic			
Acute				
Algae		EC50	Green algae (Selenastrum capricornutum)	> 124 mg/l, 72 hours Measured
		NOEC	Algae	31 mg/l, 72 hours
Crusta	cea	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
SACCHARIN S	ODIUM SALT (C	AS 128-44-9)		
Aquat	•	•		
Acute				
Fish		EC50	Fathead minnow (Adult Pimephales promelas)	16700 mg/l, 96 hours
Silicon dioxide ((CAS 7631-86-9)			
Aquat	ic			
Acute				
Algae		EC50	Green algae (Selenastrum capricornutum)	440 mg/l, 72 hours
		NOEC	Green algae (Selenastrum capricornutum)	60 mg/l, 72 hours
Crusta	cea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 24 hours Static test
Fish		EC50	Common carp (Juvenile Cyprinus carpio)	> 10000 mg/l, 72 hours
			Zebra fish (Adult Brachydanio rerio)	5000 mg/l, 96 hours Static test
Microto	ox	EC50	Microtox	8700 mg/l, 15 minutes
SODIUM CITRA	ATE, ANHYDROL	JS (CAS 68-04-2)		
Aquat	ic			
Acute		E050		404 // 701
Crusta	cea	EC50	Water flea (Daphnia magna)	161 mg/l, 72 hours Static test
Fish		EC50	Bluegill sunfish (Adult Lepomis macrochirus)	2031 mg/l, 96 hours Static test
			Golden ide/orfe (Adult Leuciscus idus)	590 - 1018 mg/l, 96 hours Static test
Microto	OX	EC50	Microtox	18.8 mg/l, 15 minutes
* Estimates		be based on addi	tional component data not shown.	

12.2. Persistence and degradability

Photolysis

Half-life (Photolysis-atmospheric)

SACCHARIN SODIUM SALT 3 Days Estimated

Biodegradability

Percent degradation (Aerobic biodegradation-inherent)

I -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 98 %, 2 days Modified Zahn-Wellens, Activated sludge

SODIUM CITRATE, ANHYDROUS Sucrose

69 % BOD5

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

L-ASCORBIC ACID -2.15**PARACETAMOL** 0.36

PHENYLEPHRINE HYDROCHLORIDE 0.49 (Measured).

Sucrose -3

Bioconcentration factor (BCF)

SACCHARIN SODIUM SALT 3 Estimated

12.4. Mobility in soil

Adsorption

Soil/sediment sorption - log Koc

SACCHARIN SODIUM SALT 1.88 Estimated

Mobility in general

Volatility

Henry's law

0 atm m³/mol Estimated **PARACETAMOL** < 0 atm m^3/mol Estimated Sucrose

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).

Empty containers should be taken to an approved waste handling site for recycling or disposal. Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not Disposal methods/information

discharge into drains, water courses or onto the ground. Dispose in accordance with all applicable

regulations.

Dispose in accordance with all applicable regulations. Special precautions

SECTION 14: Transport information

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

14.7. Transport in bulk

MARPOL Annex II applies to liquids used in a ship's operation that pose a threat to the marine according to Annex II of 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

Material name: BEECHAMS HOT FLAVORS (WITH PARACETAMOL AND PHENYLEPHRINE HCL)

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Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

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

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

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

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

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

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

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 Not listed.

Directive 94/33/EC on the protection 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 Young people under 18 years old are not allowed to work with this product according to the EU

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

R22 Harmful if swallowed. R24 Toxic in contact with skin.

R36 Irritating to eyes.

R37 Irritating to respiratory system.

R43 May cause sensitization by skin contact.

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

SDS LIK

environment.

R51 Toxic to aquatic organisms.

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

R53 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.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Revision information

Training information

Disclaimer

None.

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.

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