Issue date: 01-August-2014 Revision date: 01-August-2014

Version number: 12



SAFETY DATA SHEET

1. Identification

Product identifier BEECHAMS ALL-IN-ONE LIQUID

Other means of identification

Synonyms BEECHAMS ALL-IN-ONE LIQUID (UK) * R&D CODE 50/56 * PARACETAMOL, GUAIPHENESIN

AND PHENYLEPHRINE HYDROCHLORIDE, FORMULATED PRODUCT

Recommended use of the chemical and restrictions on use

Recommended use 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.

Restrictions on useNo other uses are advised.

Details of manufacturer or importer

Manufacturer

GlaxoSmithKline Australia 1061 Mountain Highway Melbourne, Victoria 3155

Australia

Australia General Information (Normal Business Hours): (03) 9721 6000

TRANSPORTATION EMERGENCY NUMBERS (available 24hrs/7days: multi-language response)

Australia Toll Free +(61) 2 9037 2994 International Toll Call +(1) 703 527 3887

2. Hazard(s) identification

Classification of the hazardous chemical

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

Label elements, including precautionary statements

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

Other hazards which do not result in classification

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

3. Composition/information on ingredients

Mixture

2946

 Identity of chemical ingredients
 CAS number and other unique identifiers
 Concentration of ingredients

 D-SORBITOL
 50-70-4
 < 25</td>

Sorbitol L-GULITOL 1,2,3,4,5,6-HEXANEHEXOL D-SORBOL

Material name: BEECHAMS ALL-IN-ONE LIQUID

| ETHANOL | 64-17-5 | < 20 |
|---|----------|-------|
| ALCOHOL ANHYDROUS ANHYDROUS ETHANOL ANHYDROUS ETHYL ALCOHOL ETHANOL 200 PROOF | | |
| Ethyl alcohol ETHYL ALCOHOL USP 200 PROOF (USI) | | |
| ETHYL ALCOHOL, 100% ETHYL HYDROXIDE GRAIN ALCOHOL ETHANOL | | |
| · | 400.00.0 | |
| PARACETAMOL ACETAMIDE, N-(4-HYDROXYPHENYL)- ACETANILIDE, 4'-HYDROXY- 4'-HYDROXYACETANILIDE PANADOL PARACETAMOL TYLENOL PARA-ACETAMIDOPHENOL | 103-90-2 | < 3 |
| 4-ACETAMINOPHENOL PARA-HYDROXYACETANILIDE | | |
| GUAIPHENESIN 1,2-PROPANEDIOL, 3-(2-METHOXYPHENOXY)- | 93-14-1 | < = 1 |
| 3-(2-METHOXYPHENOXY)-1,2-PROPANEDIOL GLYCEROL GUAIACOLATE GLYCEROL ALPHA-GUAIACYL ETHER ALPHA-GLYCERYL GUAIACOLATE ETHER GLYCERYL GUAIACOLATE ETHER GLYCERYL GUAIACOL ETHER O-METHOXYPHENYL GLYCERYL ETHER ROBITUSSIN 1,2-DIHYDROXY-3-(2-METHOXYPHENOXY)PROPANE | | |
| SODIUM CYCLAMATE | 139-05-9 | < 1 |
| SODIUM CYCLOHEXANESULPHAMATE SODIUM CYCLOHEXYL AMIDOSULPHATE SODIUM CYCLOHEXYL SULFAMATE SODIUM CYCLOHEXYL SULFAMIDATE CYCLAMATE SODIUM CYCLAMIC ACID SODIUM SALT CYCLOHEXYL SULPHAMATE SODIUM CYCLOHEXYL SULFAMATE SODIUM | | |
| CITRIC ACID ANHYDROUS | 77-92-9 | < 0.5 |
| BETA-HYDROXYTRICARBALLYLIC ACID ANHYDROUS CITRIC ACID 2-HYDROXY-1,2,3-PROPANETRICARBOXYLIC ACID CITIRIC ACID | | |
| PHENYLEPHRINE HYDROCHLORIDE | 61-76-7 | < 0.1 |
| (-)-M-HYDROXY-ALPHA-((METHYLAMINO)METHYL)BENZYL ALCOHOL HYDROCHLORIDE ISOPHRIN HYDROCHLORIDE LEVOPHENYLEPHRINE HYDROCHLORIDE METAOXEDRINE HYDROCHLORIDE META-SYNEPHRINE HYDROCHLORIDE NEOPHRYN NEO-SYNEPHRINE HYDROCHLORIDE L-PHENYLEPHRINE HYDROCHLORIDE L-PHENYLEPHRINE HYDROCHLORIDE BENZENEMETHANOL, 3-HYDROXY-ALPHA-(METHYLAMINO)METHYL)-, | | |
| HYDROCHLORIDE, (R)- | | |

Material name: BEECHAMS ALL-IN-ONE LIQUID

4. First-aid measures

Description of necessary first aid measures

Inhalation 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.

Skin contact Immediately flush skin with plenty of water. Get medical attention if symptoms occur. Take off

contaminated clothing and wash before reuse.

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). Do not induce vomiting Ingestion

Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).

without medical advice. If ingestion of a large amount does occur, call a poison control centre

immediately.

None known.

Personal protection for first-aid

responders

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.

Symptoms caused by exposure

Medical attention and special

treatment

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.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

Water.

Specific hazards arising from

the chemical

Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special protective equipment and precautions for fire

fighters

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do

Fire fighting

equipment/instructions

so without risk. Not available

Hazchem Code General fire hazards

Flammable liquid and vapour.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. 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.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

Material name: BEECHAMS ALL-IN-ONE LIQUID

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil etc) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use water spray to reduce vapours or divert vapour cloud drift. 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. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13.

7. Handling and storage

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. Do not breathe mist or vapour. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place.

1000 ppm

8. Exposure controls and personal protection

Control parameters

Follow standard monitoring procedures.

STEL

Occupational exposure limits

| GSK | - | W. I. |
|-----------------------------------|-----------------------------------|--|
| Components | Туре | Value |
| CITRIC ACID | 8 HR TWA | 5000 mcg/m3 |
| ANHYDROUS (CAS | | |
| 77-92-9) | | |
| | OHC | 1 |
| D-SORBITOL (CAS | OHC | 1 |
| 50-70-4) | | |
| GUAIPHENESIN (CAS | 8 HR TWA | 600 mcg/m3 |
| 93-14-1) | | · · |
| | OHC | 2 |
| PARACETAMOL (CAS | 8 HR TWA | 4000 mcg/m3 |
| 103-90-2) | | 3 |
| , | OHC | 1 |
| PHENYLEPHRINE | 15 MIN STEL | 200 mcg/m3 |
| HYDROCHLORIDE (CAS | | |
| 61-76-7) | | |
| • | 8 HR TWA | 30 mcg/m3 |
| | OHC | 3 |
| A stalls Nathauli Mada Co | 1 - AM - 1 - 1 | de Control Con |
| - | | ds for Airborne Contaminants, Appendix A) |
| Components | Туре | Value |
| ETHANOL (CAS 64-17-5) | TWA | 1880 mg/m3 |
| , | | 1000 ppm |
| Australia, OFI s. (Adopted Nation | al Exposure Standards for Atmos | pheric Contaminants in the Occupational |
| Environment) | ap = 3 a. o = taaa. ao : 51 /tano | process of the second s |
| Components | Туре | Value |
| <u> </u> | | |
| ETHANOL (CAS 64-17-5) | TWA | 1880 mg/m3 |
| | | 1000 ppm |
| US. ACGIH Threshold Limit Value | ·e | |
| Components | Туре | Value |
| Components | ı yhe | valuc |

ETHANOL (CAS 64-17-5)

UK. EH40 Workplace Exposure Limits (WELs)

| Components | Type | Value | Form |
|-------------------------------|------|------------|-----------------|
| ETHANOL (CAS 64-17-5) | TWA | 1920 mg/m3 | |
| | | 1000 ppm | |
| PARACETAMOL (CAS 103-90-2) | TWA | 10 mg/m3 | Inhalable dust. |

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds

in the Work Area (DFG)

Components **Type** Value ETHANOL (CAS 64-17-5) **TWA** 960 mg/m3 500 ppm

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

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, for example personal protective equipment (PPE)

Eye/face protection If contact is likely, safety glasses with side shields are recommended.

Skin protection

For prolonged or repeated skin contact use suitable protective gloves. **Hand protection**

Other Wear suitable protective clothing as protection against splashing or contamination.

When workers are facing concentrations above the exposure limit they must use appropriate Respiratory protection

certified respirators.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

For advice on suitable monitoring methods, seek guidance from a gualified environment, health Hygiene measures

and safety professional. 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.

9. Physical and chemical properties

Appearance

Physical state Liquid. **Form** Syrupy liquid. Colour Not available. Odour Not available. **Odour threshold** Not available. Not available. pН Not available. Melting point/freezing point Initial boiling point and boiling Not available.

range

38 °C (100.4 °F) Closed cup (Estimation based on components). Flash point

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

Flammability limit - lower

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Explosive limit - upper

Not available. Not available.

(%)

Not available. Vapour pressure Not available. Vapour density Relative density Not available. Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other physical and chemical parameters

Percent volatile 56.1 % estimated

10. Stability and reactivity

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

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Contact with incompatible materials.

Incompatible materials

Hazardous decomposition

products

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

11. Toxicological information

Information on possible routes of exposure

Ingestion May be 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.

Strong oxidising agents.

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

temporary irritation.

Symptoms related to exposure None known.

Acute toxicity

May be harmful if swallowed. Expected to be a low hazard for usual industrial or commercial

handling by trained personnel.

Components Species Test results

CITRIC ACID ANHYDROUS (CAS 77-92-9)

Acute

Oral

LD50 Rat 3000 mg/kg

D-SORBITOL (CAS 50-70-4)

Acute

Oral

LD50 Rat 15.9 g/kg

ETHANOL (CAS 64-17-5)

Acute

Oral

LD50 Rat > 2000 mg/kg

Chronic

Oral

LOAEL Monkey 40 %, 48 months % ingested calories

Subacute

Oral

2946

LOEL Rat 16.9 g/kg, 4 weeks Dietary - Dose given as

g/kg/day

6 %, 4 weeks percent in diet - continuous

SDS AUSTRALIA

Material name: BEECHAMS ALL-IN-ONE LIQUID

| Components | Species | Test results |
|----------------------|--------------------------|---|
| Subchronic | | |
| Inhalation | | |
| LOEL | Rat | 2 ml, 36 weeks haematological parameters |
| NOAEL | Guinea pig | 3000 ppm No adverse effects |
| | Rat | 86 mg/m3, 90 Day Daily dosing |
| Oral | D . | |
| LOAEL | Rat | 5000 mg/kg/day, 10 weeks Liver toxicity |
| | | 80 ml/kg, 85 Day Daily dose - Liver toxicity |
| | | 10.2 g/kg, 12 weeks Dosed in drinking water - Continuous |
| | | 7.7 g/kg, 12 weeks Dosed in drinking watercontinuous |
| GUAIPHENESIN (CAS 93 | 3-14-1) | |
| Acute | | |
| Oral | | |
| LD50 | Rat | 1510 mg/kg |
| PARACETAMOL (CAS 10 | 03-90-2) | |
| 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 | 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 | • |
| טו | Wouse | 6100 ppm, 13 weeks dietary, continuous |
| | | 1.25 %, 41 weeks dietary, continuous |
| | ROCHLORIDE (CAS 61-76-7) | |
| Acute | | |
| Oral | D. I | 050 |
| 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 |
| | D. I | FOOD 20000 mans 40 weeks dietemy aturdy |
| | Rat | 5000 - 20000 ppm, 12 weeks dietary study |

Components Species Test results

Rat 1250 ppm, 12 weeks dietary study

SODIUM CYCLAMATE (CAS 139-05-9)

Acute Oral

LD50 Rat 1280 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.

Corrosivity

ETHANOL OECD 404

Result: Negative; not considered a significant irritant

Species: Rabbit

Irritation Corrosion - Skin

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/irritation Direct contact with eyes may cause temporary irritation. Health injuries are not known or expected

under normal use.

Eye

PHENYLEPHRINE HYDROCHLORIDE Clinical use

Result: Pharmacological, cardiovascular effects.

Species: Human OECD 405 Result: Severe

Species: Rabbit PARACETAMOL OECD 405

OECD 405 Result: Slight irritant Species: Rabbit

PHENYLEPHRINE HYDROCHLORIDE
Supplier SDS
Result: Irritant

Eye / Initial pain reaction score

PARACETAMOL Literature data

Respiratory or skin sensitisation

ETHANOL

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

Sensitisation

ETHANOL

PHENYLEPHRINE HYDROCHLORIDE Clinical use - Opthalmology

Result: Low incidence of contact hypersensitivity.

Species: Human OECD 406 Result: negative

Species: Guinea pig

GUAIPHENESIN SAR / QSAR, DEREK, Lhasa, UK

Result: negative

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Mutagenicity

ETHANOL Ames

Result: negative

PHENYLEPHRINE HYDROCHLORIDE Ames

Result: negative

Notes: NTP Study report - Phenylephrine.

PARACETAMOL Ames, Literature data

Result: negative

ETHANOL Chromosomal Aberration Assay In Vitro, CHO cells

Result: negative

Material name: BEECHAMS ALL-IN-ONE LIQUID

Mutagenicity

ETHANOL

ETHANOL

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 Dominant lethal assay

> > Result: positive Species: Mouse Dominant lethal assay Result: positive Species: Rat

Gene mutation and repair

Result: negative Species: Bacteria

Gene mutation and repair

Result: positive Species: Bacteria

PARACETAMOL HPRT gene mutation in human lymphocytes, Literature data

Result: negative

ETHANOL In vitro cytogenetics assay

Result: positive

In vitro cytogenetics assay

Result: positive

Species: Aspergillus niger

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.

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

Result: Weakly positive

GUAIPHENESIN SAR / QSAR, DEREK, Lhasa, UK

Result: negative Yeast mutation Result: negative

Yeast mutation Result: positive

in vitro micronucleus assay

Result: negative in vivo cytogenetics assay

Result: negative Species: Hamster

in vivo cytogenetics assay

Result: negative Species: Rat

in vivo cytogenetics assay

Result: positive Species: Mouse

sister chromatid exchange

Result: positive

sister chromatid exchange PHENYLEPHRINE HYDROCHLORIDE

Result: positive

Notes: NTP Study report - Phenylephrine.

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

classified as a carcinogen by external agencies. High concentrations or doses administered over an extended period of time were required to produce adverse effects.

PHENYLEPHRINE HYDROCHLORIDE 133 - 270 mg/kg/day

> Result: negative Species: Mouse

Test Duration: 103 weeks

Notes: NTP Report - Tox and carc studies with phenylephrine

hydrochloride.

Material name: BEECHAMS ALL-IN-ONE LIQUID

Carcinogenicity

ETHANOL

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.

ETHANOL Epidemiology, causation linked to excessive consumption.

Species: Human

Organ: oral cavity, larynx, pharynx, oesophagus, liver

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

ETHANOL Neonatal, inadequate study

Result: negative Species: Rat

GUAIPHENESIN SAR / QSAR, DEREK, Lhasa, UK

> Result: negative inadequate study

Result: Increase in liver sarcomas

Species: Mouse inadequate study

Result: Time to tumour reduced

Species: Mouse Test Duration: 80 weeks inadequate study Result: negative Species: Hamster Test Duration: 807 Day inadequate study Result: negative Species: Mouse Test Duration: 1020 Day inadequate study Result: negative Species: Rat inadequate study

Species: Rat Test Duration: 78 weeks

Result: negative

IARC Monographs. Overall Evaluation of Carcinogenicity

PARACETAMOL (CAS 103-90-2) 3 Not classifiable as to carcinogenicity to humans. SODIUM CYCLAMATE (CAS 139-05-9) 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.

Specific target organ toxicity -

single exposure PHENYLEPHRINE HYDROCHLORIDE

May cause damage to organs.

Clinical use Organ: Cardiovascular effects, some marked.

PARACETAMOL Species: Human

Organ: Liver

Specific target organ toxicity -

repeated exposure

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

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

Chronic effects Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity

| Components | | Species | Test results |
|-----------------------|-----------------|---|--|
| CITRIC ACID ANHYDROUS | S (CAS 77-92-9) | • | |
| Aquatic | - (| | |
| Acute | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 120 mg/l, 72 hours Static test |
| Fish | EC50 | Bluegill sunfish (Adult Lepomis macrochirus) | 1516 mg/l, 96 hours Static test |
| | | Golden ide/orfe (Adult Leuciscus idus) | 440 - 760 mg/l, 96 hours Static test |
| Microtox | EC50 | Microtox | 14 mg/l, 15 minutes |
| ETHANOL (CAS 64-17-5) | | | |
| Aquatic | | | |
| Acute | | | |
| Algae | EC50 | Blue-green algae (Microcystis aeruginosa) | 1450 mg/l, 72 hours |
| Crustacea | EC50 | Water flea (Daphnia magna) | 9190 mg/l, 48 hours Static test |
| Fish | EC50 | Fathead minnow (Adult Pimephales promelas) | 14200 mg/l, 96 hours Flow-through test |
| | | Rainbow trout (Adult Salmo gairdneri) | 13000 mg/l, 96 hours Static test |
| GUAIPHENESIN (CAS 93- | 14-1) | | |
| Aquatic | | | |
| Acute | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | > 100 mg/l, 24 hours |
| PARACETAMOL (CAS 103 | -90-2) | | |
| Aquatic | | | |
| Acute | | | |
| 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 |
| PHENYLEPHRINE HYDRO | CHLORIDE (CAS | 61-76-7) | |
| Aquatic | | | |
| Acute | | | |
| 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 |

Not expected to be harmful to aquatic organisms.

Persistence and degradability

Photolysis

Half-life (Photolysis-aqueous)

ETHANOL 1 - 36.6 years Measured

Half-life (Photolysis-atmospheric)

ETHANOL 4 - 5.9 Days Estimated

Material name: BEECHAMS ALL-IN-ONE LIQUID

^{*} Estimates for product may be based on additional component data not shown.

Biodegradability

Percent degradation (Aerobic biodegradation-inherent)

CITRIC ACID ANHYDROUS 98 %, 2 days Modified Zahn-Wellens, Activated sludge

ETHANOL 37 - 86 %, 5 days BOD5, Activated sludge

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

Bioaccumulative potential

Partition coefficient

n-octanol / water (log Kow)

D-SORBITOL -2.2
ETHANOL -0.31
GUAIPHENESIN -0.98
PARACETAMOL 0.36

PHENYLEPHRINE HYDROCHLORIDE 0.49 (Measured).

Bioconcentration factor

(BCF)

D-SORBITOL 1 Estimated

Mobility in soil Not available.

Adsorption

Soil/sediment sorption - log Koc

D-SORBITOL 0.3 Estimated ETHANOL 1.2 Calculated

Volatility

Henry's law

CITRIC ACID ANHYDROUS < 0 atm m^3/mol Calculated, 25 °C

D-SORBITOL 0 atm m^3/mol Estimated

ETHANOL 0.000005 atm m3/mol Measured

PARACETAMOL 0 atm m^3/mol Estimated

Other adverse effects Not available.

13. Disposal considerations

Disposal methods 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

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.

14. Transport information

IATA

Not regulated as dangerous goods.

Not subject to provisions of IATA, see SP A58.

IMDG

Not regulated as dangerous goods.

Not subject to provisions of IMDG, see SP 144.

Transport in bulk according to Not available.

Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory information

Safety, health and environmental regulations

National regulations This Material Safety Data Sheet was prepared in accordance with the Australia National Code of

Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)

Australia Medicines & Poisons Appendix A

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix B

ETHANOL (CAS 64-17-5)

Australia Medicines & Poisons Appendix C

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix D

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix E

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix F

PARACETAMOL (CAS 103-90-2)

applies to all preparations in any concentration Use Warning Statement 97 and/or Warning Statement 98., Adults: Keep to the days at a time unless advised to by a doctor., Children and adolescents: Keep to the recommended dose. Do not give this

Low toxicity. General: Any use

Use pattern restricts hazard. Human therapeutic use

Australia Medicines & Poisons Appendix G

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix H

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix I

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix J Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix K

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 2

GUAIPHENESIN (CAS 93-14-1)

PARACETAMOL (CAS 103-90-2)

Australia Medicines & Poisons Schedule 3

PARACETAMOL (CAS 103-90-2)

Australia Medicines & Poisons Schedule 4

GUAIPHENESIN (CAS 93-14-1)

PARACETAMOL (CAS 103-90-2)

Australia Medicines & Poisons Schedule 5

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 6

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 7

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 8

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 9

Poisons schedule number not allocated.

Australia National Pollutant Inventory (NPI): Threshold quantity

ETHANOL (CAS 64-17-5) **High Volume Industrial Chemicals (HVIC)**

CITRIC ACID ANHYDROUS (CAS 77-92-9)

D-SORBITOL (CAS 50-70-4)

10 TONNES/YR Threshold Category: 1

1000 - 9999 TONNES See the regulation for additional

1000 - 9999 TONNES See the regulation for additional information.

recommended dose. Don't take this medicine for longer than a few medicine for longer than 48 hours at a time unless advised to by a doctor., If an overdose is taken or suspected, ring the Poisons Information Centre (Australia 131 - 126; New Zealand 0800 - 764 -766) or go to a hospital straight away even if you feel well

applies to all preparations in any concentration Exception may apply, see the regulation for relevance.

for therapeutic use Exception may apply, see the regulation for relevance.

> 10

in preparations for human therapeutic use Exception may apply, see the regulation for relevance.

applies to all preparations in any concentration Exception may apply, see the regulation for relevance.

Material name: BEECHAMS ALL-IN-ONE LIQUID

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ETHANOL (CAS 64-17-5)

10000 - $99999\ TONNES$ See the regulation for additional information.

Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)

Not listed.

National Pollutant Inventory (NPI) substance reporting list

Inventory name

Not listed.

Prohibited Carcinogenic Substances

Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Resricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

Country(s) or region

International Inventories

| Australia | Australian Inventory of Chemical Substances (AICS) | No |
|-----------------------------|--|----|
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date01-August-2014Revision date01-August-2014

References GSK Hazard Determination

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.

Material name: BEECHAMS ALL-IN-ONE LIQUID

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On inventory (yes/no)*

Revision Information

Product and Company Identification: Product and Company Identification Composition / Information on Ingredients: Undisclosed Ingredient Statement Physical & Chemical Properties:
TOXICOLOGICAL INFORMATION:
Transport Information: Proper Shipping Name/Packing Group Regulatory Information: United States
GHS: Classification

Material name: BEECHAMS ALL-IN-ONE LIQUID