

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

GHS Product Identifier
Chemical Name
Other names
CAS No.
EINECS No.

PRESERVE PCG

2-Phenoxyethanol mixture with Caprylyl glycol

122-99-6 and 1117-86-8
204-589-7 and 214-254-7

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s)

Preservative for cosmetics and personal care products

Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Identification

Telephone
Fax
E-Mail (competent person)

Gracefruit Limited
209 Glasgow Road
Longcroft
Bonnybridge
FK4 1QQ

01324 841353

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008 (CLP)

Acute Tox. 4 (Ingestion) H302
Eye Irrit. 2 H319

2.1.2 Directive 67/548/EEC & Directive 1999/45/EC

Xn Xi

R22: Harmful if swallowed.
R36: Irritating to eyes.

2.2 Label elements

2.2.1 Label elements

GHS Product Identifier

According to EC 1272/2008

PRESERVE PCG

Hazard pictogram(s)



Signal word(s)	Warning
Hazard statement(s)	H302: Harmful if swallowed. H319: Causes serious eye damage.
Precautionary statement(s)	P102: Keep out of reach of children. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.2.2 Label elements

According to Directive 67/548/EEC :



Risk Phrases	R22: Harmful if swallowed. R36: Irritating to eyes.
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Safety Phrases	S2: Keep out of the reach of children. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39: Wear suitable gloves and eye/face protection.
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2.3 Other hazards	Inhalation of the vapour may cause irritation of the nose and upper respiratory tract
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2.4 Additional Information

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

EC Classification No. 1272/2008

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	Hazard statement(s)
2-Phenoxyethanol Index No. : 603-098-00-9	50-70%	122-99-6	204-589-7	Acute Tox. 4 H302 Eye Irrit. 2 H319

EC Classification No. 67/548/EEC

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	Classification and Risk Phrases
2-Phenoxyethanol Index No. : 603-098-00-9	50-70%	122-99-6	204-589-7	Xn Xi R22: Harmful if swallowed. R36: Irritating to eyes.

3.3 Additional Information

For full text of R/H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation	Remove persons affected to fresh air. Keep patient warm and at rest. Apply artificial respiration if necessary. If breathing is laboured, administer oxygen. Obtain medical attention if symptoms develop
Skin Contact	Remove contaminated clothing immediately and wash affected skin with soap and plenty of water. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops
Eye Contact	Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.
Ingestion	Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting. Obtain medical attention if symptoms develop
4.2 Most important symptoms and effects, both acute and delayed	Irritation, coughing, headache, nausea, dizziness, vomiting,
4.3 Indication of the immediate medical attention and special treatment needed	Increased difficulty in breathing. headache, dizziness

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media	
Suitable Extinguishing Media	Extinguish with alcohol-resistant foam, carbon dioxide, dry chemical or water spray.
Unsuitable Extinguishing Media	Water jet
5.2 Special hazards arising from the substance or mixture	Produces harmful vapours. Evacuate area if there are audible sounds from venting drums
5.3 Advice for fire-fighters	Self-contained breathing apparatus to be worn if involved in fire. Water spray should be used to cool containers.




6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Put on protective clothing. Avoid contact with skin and eyes.
6.2 Environmental precautions	Do not allow to enter drains, sewers or watercourses. If substance has entered a watercourse or sewer, IMMEDIATELY advise water authority.
6.3 Methods and material for containment and cleaning up	Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded plastic container for disposal or recovery. Disposal should be in accordance with local or national legislation.
6.4 Reference to other sections	See Section: 8 (Exposure controls / PPE) & 13 (Disposal)

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Ensure adequate ventilation. Avoid contact with skin, eyes and clothes. Avoid inhalation of vapours or mists. Do not ingest
7.2 Conditions for safe storage, including any incompatibilities	Store in original plastic or plastic-lined containers. Keep containers tightly closed when not in use. Prevent contact with air
Storage Temperature	15 - 40 degC.
Storage Life	Two years
Incompatible materials	Strong oxidising agents. Strong bases. Aluminium, Copper, Zinc, Galvanized iron
Other information	Take precautionary measures against static discharges. Product may separate at low temperatures. Warm and stir before use

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
8.1.1 Occupational Exposure Limits LTEL (8 hr TWA mg/m ³)	WEL: Workplace Exposure Limit (UK HSE EH40) Not applicable.
8.2 Exposure controls	
8.2.1 Appropriate engineering controls	Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved.
8.2.2 Personal protection equipment	
Eye/face protection 	Safety spectacles/goggles. Minimum standard EN166.
Skin protection (Hand protection/ Other) 	Plastic or rubber gloves as appropriate for other materials and the process. Minimum standard EN374-3. Apron or other light protective clothing.
Respiratory protection 	Wear suitable respiratory protective equipment if processing involves working in areas where aerosols, mists or dusts are likely to be evolved.: Full-/Half-/quarter-face masks (EN 136/140/141) with Type A filter
Other	General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and after work. Wash contaminated clothing before reuse.
8.2.3 Environmental Exposure Controls	Do not allow to enter drains, sewers or watercourses.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties (Solution)	
Appearance	Clear Liquid
Colour	Colourless
Odour	Faint
Odour Threshold (ppm)	Not available.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	~ 13 degC

Boiling point/boiling range (°C):	> 245 degC (2-phenoxyethanol)
Flash Point (°C) [Open cup]	> 100 degC
Evaporation rate (Butyl acetate = 1)	Not available
Explosive limit ranges	Not applicable. Test not scientifically justified
Vapour Pressure	0.02 hPa at 25 degC
Vapour Density (Air=1)	4.8
Density (g/ml)	~ 1.02 at 20 degC
Solubility (Water)(20 degC)	Slightly soluble (~2%)
Solubility (Other)	Miscible with alcohols and glycols
Partition Coefficient (n-Octanol/water)	Log Pow :1.2
Auto Ignition Temperature (°C)	475 degC (2-phenoxyethanol)
Decomposition Temperature (°C)	> 200 degC
Viscosity (mPa.s)	~ 30 mPa.s at 20 degC
Explosive properties	Not explosive.
Oxidising properties	Not oxidising

9.2 Other information

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Alcohol reactions
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	May form peroxides in contact with air or oxygen
10.4 Conditions to avoid	Temperatures < 15 degC, > 40 degC
10.5 Incompatible materials	Strong oxidising agents. Strong bases, Aluminium, Copper, Zinc
10.6 Hazardous Decomposition Product(s)	Peroxides

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
11.1.1 Substances	
Acute toxicity	
Ingestion	LD50 : 1 850 mg/k (rat)(2-Phenoxyethanol)
Inhalation (4 hrs)	LC50 :> 1 000 mg/l (rat)(2-Phenoxyethanol)
Skin Contact	LD50 : 2 250 mg/k (rabbit)(2-Phenoxyethanol)
Skin corrosion/irritation	Non-irritant.
Serious eye damage/irritation	Irritant
Respiratory or skin sensitization	Not sensitising
Mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	IARC, NTP, OSHA, do not list this product or any components as a known or suspected carcinogen.
Reproductive toxicity	No evidence of reproductive toxicity.
STOT-single exposure	Inhalation : Irritation of the respiratory tract. Coughing. Ingestion : May cause irritation of the gastrointestinal tract. Headache, dizziness, nausea, vomiting,
STOT-repeated exposure (91 days)	NOAEL (Oral)(rat) 700 mg/k/day (2-Phenoxyethanol)
11.2 Other information	Local anaesthetic effect on the lips, tongue and mucous membranes

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	
(Fish) (96hrs)	LC50 : 220 - 460 mg/l (Golden Orfe)(2-Phenoxyethanol)
(Daphnia magna) (48hrs)	EC50 > 500 mg/l (2-Phenoxyethanol)
(Algae) (72hrs)	EC50 : 443 - 625 mg/l (Desmodesmus sub.) (2-Phenoxyethanol)

12.2	Persistence and degradability	Readily biodegradable at low concentrations.
12.3	Bioaccumulative potential (96 hrs)	The product has no potential for bioaccumulation.
12.4	Mobility in soil	This product is predicted to have very high mobility in soil.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	This material and must be disposed of as hazardous waste, usually by incineration. Consult an accredited waste disposal contractor or the local authority for advice.
13.2	Additional Information	

14. SECTION 14: TRANSPORT INFORMATION

14.1	Land transport (ADR/RID) UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.
14.2	Sea transport (IMDG) UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.
14.3	Air transport (ICAO/IATA) UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations Authorisations and/or restrictions on use	Cosmetics Directive 76/768/EEC
15.1.2	National regulations	Cosmetic Products (Safety) Regulations 2008
15.2	Chemical Safety Assessment	No Chemical Safety Assessment (CSA) has been carried out

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Sections #1 - #16.

Abbreviations

IARC	International Agency for Research on Cancer
LTEL	Long Term Exposure Limit
NOAEL	No Observed Adverse Effect Level
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Association
STEL	Short Term Exposure Limit
STOT	Specific target organ (systemic) toxicity
TWA	Time-weighted average

References:

European Chemicals Agency
European Regulations and Directives
Organisation for Economic Cooperation and Development – Screening Information Dataset
Published chemical directories
Suppliers' safety and data sheets
UK Health and Safety Executive

Risk Phrases

R22: Harmful if swallowed.
R36: Irritating to eyes.

Safety Phrases

S2: Keep out of the reach of children.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye/face protection.

Hazard statement(s)

H302: Harmful if swallowed.
H319: Causes serious eye irritation.

Precautionary statement(s)

P102: Keep out of reach of children.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313: If exposed or concerned: Get medical advice/attention.
P330: Rinse mouth.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents/container to: licensed waste contractor

Additional Information

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