

SAFETY DATA SHEET

PHENOXYETHANOL EHG

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

1.1 Product identifier

Product name: PHENOXYETHANOL EHG
INCI name: PHENOXYETHANOL, ETHYLHEXYLGLYCERIN
Substance/Mixture: Mixture

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

Relevant identified uses: Preservative for cosmetic and personal care products.

1.3 Details of the supplier of the safety data sheet

Name: AROMA TRADING LIMITED
Street: Unit 3 Quatro Park, Tanners Drive, Milton Keynes
Postal code/City: MK14 5FJ
Country: United Kingdom
Telephone: + 44 (0) 1908 334100
E-mail: johnblack@aromatrading.com

1.4 Emergency Telephone Number

Telephone: + 44 (0) 1908 334100

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 H302: Harmful if swallowed.
Eye Dam. 1 H318: Causes serious eye damage.
STOT SE 3 H335: May cause respiratory irritation.

2.2 Label elements

Hazard pictograms



Signal word

Danger

Hazard Statements

H302: Harmful if swallowed.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.

Precautionary Statements

P261: Avoid breathing mist/vapours/spray.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing and eye/face protection.
P301+P312: IF SWALLOWED: Call a doctor if you feel unwell.
P330: Rinse mouth.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a doctor.

P501: Dispose of contents/container to hazardous waste disposal.

2.3 Other hazards

Results of PBT and vPvB assessment

The substances in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

Endocrine disrupting properties

None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product name: PHENOXYETHANOL EHG

| Substance name (CAS No.) {EC} [REACH No.] | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Type |
|---|-------------|--|------|
| 2-phenoxyethanol (122-99-6) {204-589-7} [01-2119488943-21-XXXX] | 89.5 - 90.5 | Acute Tox. 4; H302 Eye Dam. 1; H318 STOT SE 3; H335 | [1] |
| 3-(2-ethylhexyloxy)propane-1,2-diol (70445-33-9) {408-080-2} [01-0000015745-65-XXXX] | 9.5 -10.5 | Acute Tox. 4, H332 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Full text of H- and EUH-statements: see section 16. | [1] |

Type: [1] Constituent, [2] Impurity, [3] Stabilizing additive

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Remove casualty to fresh air, keep respiratory passages clear and seek medical advice/attention.

Skin contact

Remove contaminated clothing, wash thoroughly with soap and water and rinse. Get medical advice/attention.

Eye contact

Irrigate with sterile water or saline for at least 15 minutes. Seek urgent medical attention if irritation persists or tissue damage is apparent.

Following ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray jet, Dry extinguishing powder, Foam, Carbon dioxide (CO₂).

Unsuitable extinguishing media: Full water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Toxic gas.

Do not allow firefighting water to enter drains or water courses.

Hazardous decomposition products: See Section 10.6

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Collect contaminated firefighting water separately.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Provide adequate ventilation.

Safe handling: see section 7

Personal protection equipment: see section 8

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

In case of escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Provide adequate ventilation.

6.4 Reference to other sections

Personal protection equipment: see section 8.

Disposal: see section 13.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advice on safe handling: Personal protection equipment: see section 8

Avoid contact with skin, eyes and clothes. Do not breathe mist/vapours/spray. Do not eat, drink or smoke when using this product. Keep container tightly closed.

Measures to prevent fire: Usual measures for fire prevention. Keep away from sources of ignition - No smoking.
Take action to prevent static discharges. Use explosion-proof electrical equipment.

Dust explosibility: No further relevant information available.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: Store in tightly sealed containers, in a cool dry place away from direct sunlight. Take action to prevent static discharges.
Do not store at temperatures below: 10 °C

Advice on joint storage: Keep away from: Food and feedingstuffs, Incompatible materials, Oxidizing agent, Alkalines

Other: Stable under recommended storage and handling conditions.

7.3 Specific end use(s)

Preservative for cosmetic and personal care products.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

no data available.

DNEL (Human health)

| Substance name: 2-phenoxyethanol | | | | | |
|----------------------------------|---------------|-------------------|------------------------|------------------------|-----------|
| Route of exposure | Acute effects | | Chronic effects | | |
| | Local | Systemic | Local | Systemic | |
| Inhalation | | | 8.07 mg/m ³ | 20.83 mg/kg bw/day | Workers |
| dermal | | | | | |
| Inhalation | | | 2.41 mg/m ³ | 2.41 mg/m ³ | Consumers |
| dermal | | | | 10.42 mg/kg bw/day | |
| oral | | 9.23 mg/kg bw/day | | 9.23 mg/kg bw/day | |

| Substance name: 3-(2-ethylhexyloxy)propane-1,2-diol | | | | | |
|---|---------------|------------------------|-----------------|--------------------------|-----------|
| Route of exposure | Acute effects | | Chronic effects | | |
| | Local | Systemic | Local | Systemic | |
| Inhalation | | 1.55 mg/m ³ | | 0.875 mg/m ³ | Workers |
| dermal | | | | 1 mg/kg bw/day | |
| Inhalation | | | | 0.1085 mg/m ³ | Consumers |
| dermal | | | | 0.5 mg/kg bw/day | |
| oral | | | | | |

PNEC (Environmental)

| Substance name: 2-phenoxyethanol | |
|----------------------------------|------------|
| Environmental protection target | PNEC |
| freshwater | 0.943 mg/l |
| marine water | 0.094 mg/l |

| | |
|------------------------------|-------------|
| sewage treatment plant (STP) | 24.8 mg/l |
| freshwater, sediment | 7.237 mg/kg |
| marine water, sediment | 0.724 mg/kg |
| soil | 1.26 mg/kg |

| Substance name: 3-(2-ethylhexyloxy)propane-1,2-diol | |
|---|-----------------|
| Environmental protection target | PNEC |
| freshwater | 0.15 mg/l |
| marine water | 0.015 mg/l |
| sewage treatment plant (STP) | 5.6 mg/l |
| freshwater, sediment | 0.19 mg/kg/day |
| marine water, sediment | 0.019 mg/kg/day |
| soil | 0.894 mg/kg/day |

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Ensure eye bath is available.

Personal protection

Respiratory protection: Wear breathing apparatus if exposed to vapours/dusts/aerosols. Half-face mask: Filter type: type A EN 136/140/145/143/149

Hand protection: Wear protective gloves. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable eye protection: Eye glasses with side protection. EN166

Skin protection: For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Advice on general occupational hygiene: Do not breathe dusts/mists.
Avoid contact with skin, eyes and clothes.
Do not eat, drink or smoke when using this product.
Wash hands before breaks and after work.
Wash contaminated clothing before reuse.

Environmental precautions

General advice: Prevent any material entering drains or waterways. In case of escape or entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid

| | |
|---|------------------------|
| Colour: | colourless / yellow |
| Odour: | Faint. Characteristic. |
| Odour threshold: | no data available. |
| Melting point: | no data available. |
| Boiling point or initial boiling point and boiling range: | no data available. |
| Flammability: | no data available. |
| Lower and upper explosion limit: | no data available. |
| Flash point: | no data available. |
| Auto-ignition temperature: | no data available. |
| Decomposition temperature: | no data available. |
| pH: | 7.5 (20 °C, 0.5 % aq) |
| Kinematic viscosity: | no data available. |
| Solubility | no data available. |
| Partition coefficient: n-octanol/water: | no data available. |
| Relative density: | 1.09 |
| Vapour pressure: | no data available. |
| Vapour density: | no data available. |
| Bulk density: | no data available. |
| Particle characteristics | no data available. |

9.2 Other information

no data available.

SECTION 10: Stability and Reactivity

- 10.1 Reactivity**
 Risk of explosion in case of drying up; May form explosive peroxides.
- 10.2 Chemical stability**
 The product is chemically stable under recommended conditions of storage, use and temperature.
- 10.3 Possibility of hazardous reactions**
 In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.
 May form explosive peroxides.
- 10.4 Conditions to avoid**
 Heat
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 10.5 Incompatible materials**
 Materials to avoid:
 no data available.
- 10.6 Hazardous decomposition products**
 In case of fire may be liberated:
 Carbon dioxide (CO₂)
 Carbon monoxide
 Pyrolysis products

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Acute Tox. 4 H302: Harmful if swallowed.

| Substance name (CAS No.) {EC} [REACH No.] | Result | Species | Dose |
|--|---|-------------------|---|
| 2-phenoxyethanol (122-99-6) {204-589-7} [01-2119488943-21-XXXX] | LD50: oral | Rat | 1840 mg/kg |
| | LD50: oral | ATE | 1394 mg/kg |
| | LD50: dermal | Rabbit | > 2214 mg/kg |
| 3-(2-ethylhexyloxy)propane- 1,2-diol (70445-33-9) | LD50: oral LD50: dermal LC50 4h: Inhalation | Rat Rat Rat | >2000 mg/kg >2000 mg/kg 3.07 mg/l |

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Eye Dam. 1 H318: Causes serious eye damage.

Respiratory or skin sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

In vivo mutagenicity/genotoxicity
no data available.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Specific target organ toxicity (single exposure)

STOT SE 3 H335: May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)

Not classified based on available information.

Aspiration hazard

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

no data available.

Other information
no data available.

SECTION 12: Ecological information

12.1 Toxicity
Acute effects
Not Classified.

Chronic effects
Not Classified.

| Substance name (CAS No.) | Result | Species | Dose |
|--|-------------|--------------------------------------|--------------------|
| 2-phenoxyethanol (122-99-6) {204-589-7} [01-2119488943-21-XXXX] | LC50: 96 h | Leuciscus idus (golden orfe) | > 220 - < 460 mg/L |
| | ErC50: 48 h | Algae | >100 mg/L |
| | EC50: 48 h | Daphnia magna (Big water flea) | >500 mg/L |
| | NOEC: 34 d | Pimephales promelas (fathead minnow) | 23 mg/L |
| | NOEC: 21 d | Daphnia magna (Big water flea) | 9.43 mg/L |
| | NOEC: 72 h | Algae | 46 mg/L |

| Substance name (CAS No.) | Result | Species | Dose |
|---|---------|--------------------------------|------------|
| 3-(2-ethylhexyloxy)propane-1,2-diol (70445-33-9) | NOEC: - | Brachydanio rerio (Zebra-fish) | 60.2 mg/L |
| | NOEC: - | no data available. | 48.28 mg/L |

12.2 Persistence and degradability
Substance name: 2-phenoxyethanol; Readily biodegradable (according to OECD criteria).
75%/28d OECD 301F.
>90%/15d OECD 301A.

Substance name: 3-(2-ethylhexyloxy)propane-1,2-diol
20.6 % (OECD 301D); Not expected to be readily biodegradable.

12.3 Bioaccumulative potential
no data available.

12.4 Mobility in soil
no data available.

12.5 Results of PBT and vPvB assessment
Results of PBT and vPvB assessment: Not Classified.

12.6 Endocrine disrupting properties
no data available.

12.7 Other adverse effects

Additional ecotoxicological information: Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Other disposal recommendations

Dispose of product and packaging in accordance with local and national regulations. Do not dispose of together with household waste. Do not allow to enter into surface water or drains.

SECTION 14: Transport information

| | ADR/RID/DOT(US) | | IMDG | | IATA | |
|--|--|--|--|--|--|--|
| 14.1 UN number | | | | | | |
| 14.2 UN proper shipping name | Not classified based on available information. | | Not classified based on available information. | | Not classified based on available information. | |
| 14.3 Transport hazard class(es) | | | | | | |
| 14.4 Packing group | | | | | | |
| 14.5 Environmental hazards | | | | | | |
| Additional information | Transport category: | | | | | |
| | Tunnel restriction code: | | | | | |
| | Hazard identification number: | | | | | |

14.6 Special precautions for user

No further relevant information available.

14.7 Maritime transport in bulk according to IMO instruments

not applicable.

SECTION 15: Regulatory information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
no data available.

15.2 Chemical Safety Assessment

2-phenoxyethanol: For this substance a chemical safety assessment has been carried out.

3-(2-ethylhexyloxy)propane-1,2-diol: For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Legal disclaimer

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive.

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Relevant H- and EUH-phrases (Number and full text)

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.