Safety Data Sheet

Iscaguard PE

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

1.1 Product Identifier

Product Name:	Iscaguard PE
Substance / Mixture:	Substance
Chemical Name:	2-phenoxyethanol
CAS:	122-99-6
EC No.:	204-589-7
EU Index:	603-098-00-9

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

Identified Uses: Multifunctional additive for cosmetic and personal care products

1.3 Details of the supplier of the safety data sheet

Company:	Isca UK Ltd
Address:	Unit 29, Nine Mile Point Industrial Estate, Crosskeys, Newport, NP11 7HZ, United Kingdom
Telephone:	+44 (0) 1495 200747
Fax:	+44 (0) 1495 200757
E-mail:	technical@iscauk.com

1.4 Emergency telephone number

Emergency Phone: +44 (0) 1495 200747

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

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

Acute Tox. 4, H302
Eye Irrit. 2, H319

Classification according to Regulation (67/548/EEC)

Xn;R22. Xi;R36.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2 Label Elements

Hazard pictograms

Signal word **Warning**

Hazard statements Harmful if swallowed.
Causes serious eye irritation.

Precautionary statements Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a well-ventilated place. Keep container tightly

closed. Dispose of this material and its container to hazardous or special waste collection. Do not get in eyes, on skin, or on clothing. Get medical advice/attention if you feel unwell.

2.3 Other Hazards
None.

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical Name:	2-phenoxyethanol
CAS:	122-99-6
EC No.:	204-589-7
EU Index:	603-098-00-9
Formula:	$C_8H_{10}O_2$
Synonyms:	Phenoxyethanol

Component name (CAS)	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Type
2-phenoxyethanol (122-99-6)	Ca. 100	Acute Toxicity 4, H302 Eye Irritant 2, H319 See section 16 for full text of the H-phrases	[1]

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

REACH Registration Numbers:

SUBSTANCE	CAS NUMBER	REGISTRATION NUMBER
Phenoxyethanol	122-99-6	01-2119488943-21-XXXX

SECTION 4: First Aid Measures

4.1 Description of first aid measures
If inhaled
Move person into fresh air. If not breathing give artificial respiration. If any symptoms persist obtain medical advice.
In case of skin contact
Wash off immediately with plenty of water. Consult a physician.
In case of eye contact
Flush eyes with plenty of water for at least 15 minutes and consult a physician.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. If any symptoms persist obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed
Corrosive to eyes.

4.3 Indication of any immediate medical attention and special treatment needed
Treat according to symptoms.

SECTION 5: Fire fighting measures

5.1 Extinguishing Media
Suitable extinguishing media: water spray, dry powder, foam, or CO_2.
Unsuitable extinguishing media: full water jet (may release chemical into environment and spread the fire).

5.2 Special hazards arising from the substance or mixture
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3 Advice for fire fighters
Wear self-contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes and clothing.
Wear personal protective clothing as described in Section 8.

6.2 Environmental precautions
Collect and dispose of spillage as indicated in section 13. Do not let the product enter drains. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up
Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash thoroughly after dealing with a spillage.

6.4 Reference to other sections
Suitable personal protective clothing is described in Section 8.
Information regarding disposal can be found in Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin, eyes and clothing. Keep container tightly sealed. Provide appropriate exhaust ventilation in places where fumes are formed. Prevent formation of aerosols. Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment before entering eating/clean areas. Eliminate all sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities
Store in sealed containers in a cool, dry, well-ventilated area. Storage temperature > - 10 °C. Protect from freezing and direct sunlight. Keep away from heat, sparks and open flame.

7.3 Specific end uses
Additive for use in cosmetic and personal care products.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters
Occupation exposure limits
No exposure limit value known.

8.2 Exposure controls
Occupational exposure controls
Provide appropriate exhaust ventilation at machinery and at places where fumes can be generated.

Protective and hygiene measures
Do not breathe vapour. When using, do not eat, drink or smoke.
Remove and wash contaminated clothing before re-use.
Wash hands before breaks and immediately after handling the product.Avoid contact with skin, eyes and clothing.

Personal protective equipment

Eye / face protection
Use safety glasses with side shields (frame goggles) tested and approved under appropriate government standards such as EN 166 (EU) or NIOSH (US).

Skin protection
Handle with gloves. Suitable chemical resistant gloves should be used. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection
Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection
Suitable face mask must be worn if exposed to vapour or aerosol.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless
Odour:	Mild aromatic
pH value:	ca. 6 (10 g/l)
Melting point / freezing point:	-2 °C
Initial boiling point and boiling range:	244.3 °C @ 1013 hPa
Flash point:	126 °C
Auto Ignition Temperature:	475 °C @ 999 hPa
Decomposition temperature:	> 350 °C
Vapour pressure:	0.01 mm Hg @ 20 °C
Density:	ca. 1.11 @ 20 °C
Solubility (water):	Miscible, approx. 24 g/l (20 °C)
Viscosity:	20 - 40 cps (20 °C)

9.2 Other information
No specific data.

SECTION 10: Stability and reactivity

10.1 Reactivity
No decomposition if stored and applied as directed. No specific reactivity hazards associated with this product.

10.2 Chemical stability
The product is stable if stored and handled as indicated.

10.3 Possibility of hazardous reactions
No hazardous reactions known.

10.4 Conditions to avoid
Avoid exposures to or contact with extreme temperatures, direct sunlight, incompatible materials and sources of ignition. Avoid frost.

10.5 Incompatible materials
Strong acids. Strong alkalis. Strong oxidising substances.

10.6 Hazardous decomposition products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Component name	Result	Species	Dose
2-phenoxyethanol	LD50 Oral LD50 Dermal LC50 Inhalation	Rat Rabbit Rat	1840 mg/kg >2214 mg/kg 1000 mg/l

Skin corrosion / irritation
Liquid may irritate skin. Not a skin sensitiser. Irritating to eyes.

Respiratory or skin sensitisation
No sensitising effects known.

Germ cell mutagenicity
Mutagenicity: AMES TEST – Negative

Carcinogenicity
Carcinogenicity: Not classified
Mutagenicity: Not classified [OECD 471]
Teratogenicity: Not classified

Reproductive toxicity
Reproductive Toxicity - Fertility
Fertility: NOAEL 375 mg/kg Oral Mouse
Reproductive Toxicity - Development
Developmental toxicity: NOAEL 1000 mg/kg Oral Rat
Developmental toxicity: NOAEL 600 mg/kg Dermal rabbit

Specific target organ toxicity – single exposure
No data available

Specific target organ toxicity – repeated exposure
No data available

Aspiration hazard
Vapour may irritate respiratory system or lungs.

Other information
Eye Effect: Irritating to eyes.

SECTION 12: Ecological information

12.1 Toxicity

Component name	Result	Species	Dose
2-phenoxyethanol	LC50/96h EC50/48h EC50/72h EC10/LC10/72h	Pimephales promelas (Fat-head Minnow) Daphnia Algae: Desmodesmus subspicatus Algae: Desmodesmus subspicatus	344 mg/l 488 mg/l 443 mg/l 159 mg/l

12.2 Persistence and degradability
The product is easily biodegradable. > 90% after 15 days (DOC removal) OECD Test Guideline 301A.

12.3 Bioaccumulative potential
The product does not contain any substances expected to be bioaccumulating. BCF value: 0.35

Partition coefficient: log Kow 1.2 @ 23 deg C

12.4 Mobility in soil
The product is soluble in water.

12.5 Results of PBT and vPvB assessment
Not Classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product disposal
Disposal must be made according to official regulations. Do not allow the product to enter sewage system.

Packaging
Contaminated packaging that cannot be cleaned should be disposed of in the same manner as the contents.

Other information
Do not let the product enter drains.

SECTION 14: Transport Information

	ADR/RID	IMDG	IATA
14.1 UN number	-	-	-
14.2 UN proper shipping name	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental Hazards	-	-	-

14.6 Special precautions for user
No further relevant information available.

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

National regulatory information
Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

15.2 Chemical safety assessment
A chemical safety assessment has not been carried out for this product.

SECTION 16: Additional information

The above information is believed to be correct but does not purport to be all inclusive, and shall be used only as a guide. ISCA UK Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

Full text of abbreviated H-statements: H302 Harmful if swallowed.

	H319	Causes serious eye irritation.
Full text of abbreviated R-phrases:	R22	Harmful if swallowed.
	R36	Irritating to eyes.
Full text of classifications [DSD/DPD]:	Xi	Irritant
	Xn	Harmful

Revision history:

V1.0	29-September-2013	Update to CLP compliant SDS format
V1.1	19-June-2018	