

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550**1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : ISCAGUARD PE
Substance name : 2-phenoxyethanol
Index-No. : 603-098-00-9
CAS-No. : 122-99-6
EC-No. : 204-589-7

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses.
They will be included in this safety data sheet when available.

Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : The Soap Kitchen
Unit 8 Caddsdwn Industrial Park, Clovelly Road, Bideford
Devon, EX39 3DX, UK
Telephone : +44 (0) 1237 420 872
E-mail address : info@thesoapkitchen.co.uk

1.4. Emergency telephone number

Emergency telephone number : Emergency only telephone number (open 08:30-17:00):
+44 (0) 1237 420872

2. Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Acute toxicity (Oral)	Category 4	---	H302
Serious eye damage/eye irritation	Category 2	---	H319



SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

ISCAGUARD PE

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC	
Hazard symbol / Category of danger	Risk phrases
Harmful (Xn)	R22
Irritant (Xi)	R36

For the full text of the R-phrases mentioned in this Section, see Section 16.

Most important adverse effects

Human Health : See section 11 for toxicological information.

Physical and chemical hazards : See section 9 for physicochemical information.

Potential environmental effects : See section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols :



Signal word : Warning

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

Precautionary statements

Prevention : P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response : P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.



SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

ISCAGUARD PE

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

Hazardous components which must be listed on the label:

- 2-phenoxyethanol

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

3. Composition/information on ingredients

3.1. Substances

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)
		Hazard class / Hazard category	Hazard statements	
2-phenoxyethanol				
Index-No. : 603-098-00-9	> 99	Acute Tox.4	H302	Xn; R22
CAS-No. : 122-99-6		Eye Irrit.2	H319	Xi; R36
EC-No. : 204-589-7				
C&L-No. : 02-2119752483-36-0000				

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1. Description of first aid measures

General advice : Remove from exposure, lie down. Remove to fresh air. Take off all contaminated clothing immediately. Consult a physician.

If inhaled : Remove to fresh air. Give oxygen. Consult a physician.

In case of skin contact : Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Call a physician immediately.

If swallowed : Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms : See Section 11 for more detailed information on health effects and symptoms.

Effects : See Section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.
No further information available.

5. Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media : High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Strong heating may produce combustible vapours which can form explosive mixture with air. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)
Further information : Cool closed containers exposed to fire with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**



SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

ISCAGUARD PE

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550

Personal precautions : Use personal protective equipment. Keep people away from and upwind of spill/leak. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray. For personal protection see section 8.

6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Ensure adequate ventilation. This material and its container must be disposed of as hazardous waste. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Further information : Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed. Avoid contact with skin, eyes and clothing. Provide sufficient air exchange and/or exhaust in work rooms. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures : Take off all contaminated clothing immediately. Avoid contact with the skin and the eyes. Do not breathe gas/fumes/vapour/spray. Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550**7.2. Conditions for safe storage, including any incompatibilities**

Advice on protection
against fire and explosion : No special precautions required.

Further information on
storage conditions : Keep tightly closed in a dry and cool place. Keep in a well-ventilated place.

German storage class : 10 Combustible liquids not in Storage Class 3

7.3. Specific end uses

Specific use(s) : No information available.

8. Exposure controls/personal protection**8.1. Control parameters****Other Occupational Exposure Limit Values**

(Additional)
Information : Contains no substances with occupational exposure limit values.

8.2. Exposure controls**Engineering measures**

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment*Respiratory protection*

Advice : In case of insufficient ventilation, wear suitable respiratory equipment.
Recommended Filter type:A

Hand protection

Advice : Wear suitable gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Protective gloves should be replaced at first signs of wear.

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550

Material : butyl-rubber
Break through time : ≥ 8 h
Glove thickness : 0.5 mm

Material : fluorocarbon rubber
Break through time : ≥ 8 h
Glove thickness : 0.4 mm

Eye protection

Advice : Tightly fitting safety goggles

Skin and body protection

Advice : Wear suitable protective clothing.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.
Local authorities should be advised if significant spillages cannot be contained.

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form : liquid

Colour : colourless

Odour : aromatic

Odour Threshold : Currently we do not have any information from our supplier about this.

pH : 6 - 9 (23 °C)

Melting point/range : 11 - 13 °C

Boiling point/boiling range : 237 - 245 °C (1013 hPa)

Flash point : 126 °C (Method: DIN 51758)

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550

Evaporation rate	: Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	: Currently we do not have any information from our supplier about this.
Upper explosion limit	: 9.0 %(V)
Lower explosion limit	: 1.4 %(V)
Vapour pressure	: 0.04 hPa (20 °C)
Relative vapour density	: 4.77 (Air = 1.0)
Density	: 1.07 g/cm ³ (20 °C)
Water solubility	: 24 g/l (20 °C)
Partition coefficient: n-octanol/water	: log Kow 1.13 (measured)
Ignition temperature	: 435 °C
Thermal decomposition	: Currently we do not have any information from our supplier about this.
Viscosity, dynamic	: 29 mPa.s (23 °C)
Explosivity	: Currently we do not have any information from our supplier about this.
Oxidizing properties	: Currently we do not have any information from our supplier about this.

9.2. Other information

No further information available.

10. Stability and reactivity**10.1. Reactivity**

Advice : No information available.

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550**10.2. Chemical stability**

Advice : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : None known.

10.4. Conditions to avoid

Conditions to avoid : No information available.

10.5. Incompatible materials

Materials to avoid : Oxidizing agents, Acid anhydrides, Iron

10.6. Hazardous decomposition products

Hazardous decomposition products : No decomposition if used as directed.

11. Toxicological information**11.1. Information on toxicological effects****Acute toxicity****Oral**

Harmful if swallowed., Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation

May cause irritation of respiratory tract.

Dermal

Please find this information in the listing of the component/components below in the MSDS.

Irritation**Skin**

No skin irritation

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550**Eyes**

Causes serious eye irritation.

Sensitisation

No sensitizing effect known.

CMR effects**CMR Properties**

- Carcinogenicity : no data available
- Mutagenicity : Please find this information in the listing of the component/components below in the MSDS.
- Teratogenicity : no data available
- Reproductive toxicity : no data available

Specific Target Organ Toxicity**Single exposure**

- remark : The substance or mixture is not classified as specific target organ toxicant, single exposure.

Repeated exposure

- remark : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Other toxic properties**Aspiration toxicity**

No aspiration toxicity classification

Component: 2-phenoxyethanol**CAS-No.
122-99-6****Acute toxicity**

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550**Oral**

LD50 : 1260 mg/kg (rat)

Dermal

LD50 : > 2000 mg/kg (rabbit)

Irritation**Skin**

No skin irritation (rabbit) (OECD Test Guideline 404)

Eyes

Irritating to eyes. (rabbit) (OECD Test Guideline 405)

Sensitisation

not sensitizing (guinea pig) (Maximisation Test)

CMR effects**CMR Properties**

Mutagenicity : Ames test: negative

12. Ecological information**12.1. Toxicity****Acute toxicity****Fish**

LC50 : 370 mg/l (Lepomis macrochirus; 96 h) (Toxicity to fish)

LC50 : 344 mg/l (Pimephales promelas; 96 h)

LC50 : 220 mg/l (Leuciscus idus (Golden orfe); 96 h)



SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

ISCAGUARD PE

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550

Toxicity to daphnia and other aquatic invertebrates.

EC50 : > 500 mg/l (Daphnia magna (Water flea); 48 h) (Toxicity to daphnia)

EC50 : 357 mg/l (Chaetogammarus marinus; 96 h)

algae

IC50 : > 500 mg/l (Desmodesmus subspicatus (green algae); 72 h) (Toxicity to algae)

Bacteria

EC50 : 880 mg/l (Pseudomonas putida; 17 h) (Toxicity to bacteria; DIN 38412)

Component: 2-phenoxyethanol

**CAS-No.
122-99-6**

Acute toxicity

Fish

LC50 : 344 mg/l (Pimephales promelas; 96 h)

Toxicity to daphnia and other aquatic invertebrates.

EC50 : > 500 mg/l (Daphnia magna; 48 h) (Directive 67/548/EEC, Annex V, C.2.)

algae

EC50 : > 500 mg/l (Desmodesmus subspicatus (green algae); 72 h)

Bacteria

EC10 : 320 mg/l (Pseudomonas putida; 17 h) (Cell-proliferation inhibition test)

12.2. Persistence and degradability

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550**Persistence and degradability****Biodegradability**

Result : 90 % (Exposure Time: 28 d)
Readily biodegradable.

Component: 2-phenoxyethanol**CAS-No.**
122-99-6**Persistence and degradability****Biodegradability**

Result : 75 % (Exposure Time: 20 d)(Closed Bottle test)
Readily biodegradable

12.3. Bioaccumulative potential**Bioaccumulation**

Result : The product has low potential bioaccumulation.

12.4. Mobility in soil**Mobility**

Result : This information is not available.

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment**

Result : This information is not available.

12.6. Other adverse effects**Additional ecological information**

Result : The product should not be allowed to enter drains, water courses

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550

or the soil.

13. Disposal considerations**13.1. Waste treatment methods**

- | | | |
|---------------------------------|---|---|
| Product | : | Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. |
| Contaminated packaging | : | Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulations. Dispose of as unused product. |
| European Waste Catalogue Number | : | Waste codes should be assigned by the user based on the application for which the product was used. |

14. Transport information

Not dangerous goods for ADR, RID and IMDG.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006****ISCAGUARD PE**

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

IMDG : Not applicable.

15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Notification status****2-phenoxyethanol:**

Regulatory List	Notification	Notification number
AICS	YES	
DSL	YES	
INV (CN)	YES	
ENCS (JP)	YES	(3)-558
ENCS (JP)	YES	(9)-1277
ENCS (JP)	YES	(7)-78
ISHL (JP)	YES	(7)-78
ISHL (JP)	YES	(9)-1277
ISHL (JP)	YES	(3)-558
TSCA	YES	
EINECS	YES	204-589-7
KECI (KR)	YES	KE-28257
PICCS (PH)	YES	

15.2. Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information**Full text of R-phrases referred to under sections 2 and 3.**

R22	Harmful if swallowed.
R36	Irritating to eyes.

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H319	Causes serious eye irritation.

Further information



SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

ISCAGUARD PE

Version 2.1

Print Date 2014/08/28

Revision Date 2012/04/16

MSDS code: MVVV550

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

|| Indicates updated section.