

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

Version 1.1

Print Date 2015/09/02

Revision date / valid from 2015/09/02

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

Trade name : ISCAGUARD PFA

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

Use of the Substance/Mixture : Preservative, Cosmetics, personal care products

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 Caddsdawn 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 numberEmergency Telephone Number : Emergency only telephone number (open 08:30-17:00):
+44 (0) 1237 420872**SECTION 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
Eye irritation	Category 2	---	H319

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

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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
Irritant (Xi)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 : H319 Causes serious eye irritation.

Precautionary statements

Prevention : P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.

Response : 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-Phenylethanol

2.3. Other hazards



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For Results of PBT and vPvB assessment see section 12.5.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)
		Hazard class / Hazard category	Hazard statements	
2-Phenylethanol				
CAS-No. : 60-12-8	>= 55 - < 65	Acute Tox.4	H302	Harmful; Xn; R22 Irritant; Xi; R36
EC-No. : 200-456-2		Eye Irrit.2	H319	
Registration : 01-2119963921-31-xxxx				
Octane-1,2-diol				
CAS-No. : 1117-86-8	>= 35 - < 45	Eye Irrit.2	H319	Irritant; Xi; R36
EC-No. : 214-254-7				
Registration : 01-2119966905-22-xxxx				

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.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	: Take off all contaminated clothing immediately.
If inhaled	: Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
In case of skin contact	: Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
If swallowed	: Rinse mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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



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Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, Dry powder, Foam, Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Burning produces irritant fumes. Thermal decomposition causes the release of, Carbon oxides, Toxic gases

5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.

Further advice : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Ventilate the area. Dam up. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal. Flush away residuals with plenty of water.

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

6.4. Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Advice on safe handling : Keep container tightly closed. Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.
- Hygiene measures : 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. Take off all contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep only in the original container.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Further information on storage conditions : Keep tightly closed in a dry and cool place. Keep in a well-ventilated place. Keep away from heat. Keep away from direct sunlight.
- Advice on common storage : Keep away from food, drink and animal feedingstuffs.
- Storage temperature : > 5 °C

7.3. Specific end use(s)

- Specific use(s) : No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other Occupational Exposure Limit Values

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

Component:	Octane-1,2-diol	CAS-No. 1117-86-8
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Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

- DNEL
Workers, Skin contact : 1 mg/kg bw/day



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DNEL	
Workers, Inhalation	: 7 mg/m ³
DNEL	
Consumers, Skin contact	: 0.5 mg/kg bw/day
DNEL	
Consumers, Inhalation	: 1.74 mg/m ³

Predicted No Effect Concentration (PNEC)

Fresh water	: 0.0022 mg/l
Marine water	: 0.00022 mg/l
Sewage treatment plant (STP)	: 10 mg/l
Sediment	: 0.0031 - 0.031 mg/kg
Soil	: 0.003 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

Provide adequate ventilation, if possible exhaust ventilation at machinery.

If ventilation is not sufficient, use breathing apparatus protective equipment in order to comply with the occupational exposure limit.

Personal protective equipment

Respiratory protection

Advice : Required, if exposure limit is exceeded (e.g. OEL).
Suitable respiratory protective device

Hand protection

Advice : The glove material has to be impermeable and resistant to the product / the substance / the preparation.
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.
The following materials are suitable:

Eye protection

Advice : Tightly fitting safety goggles

Skin and body protection

Advice : Wear personal protective equipment.

**ISCAGUARD PFA****Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.

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

Form	: liquid
Colour	: clear
Odour	: faint
Odour Threshold	: not determined
pH	: 6 - 8 10% solution
Melting point/freezing point	: not determined
Initial boiling point and boiling range	: not determined
Flash point	: Not applicable
Evaporation rate	: no data available
Flammability (solid, gas)	: The product is not flammable.
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: not determined
Relative vapour density	: no data available
Relative density	: ca. 0.98
Solubility/qualitative	: no data available
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
Explosivity	: no data available
Oxidizing properties	: no data available

**ISCAGUARD PFA****9.2. Other information**

No further information available.

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

Advice : Stable under recommended storage conditions.

10.2. Chemical stability

Advice : No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Hazardous reactions : None known.

10.4. Conditions to avoid

Conditions to avoid : Keep away from direct sunlight.

10.5. Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

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

Acute toxicity estimate : 769.23 mg/kg) (Calculation method)

Inhalation

no data available

Dermal

no data available

Irritation

**ISCAGUARD PFA****Skin**

no data available

Eyes

no data available

Sensitisation

no data available

CMR effects**CMR Properties**

Carcinogenicity : no data available

Mutagenicity : no data available

Reproductive toxicity : no data available

Specific Target Organ Toxicity**Single exposure**

no data available

Repeated exposure

no data available

Other toxic properties**Repeated dose toxicity**

no data available

Aspiration hazard

no data available

Component: **2-Phenylethanol** **CAS-No. 60-12-8****Acute toxicity****Oral**

no data available

**ISCAGUARD PFA****Inhalation**

no data available

Dermal

no data available

Irritation**Skin**

Result : no data available

Eyes

Result : no data available

Sensitisation

Result : no data available

CMR effects**CMR Properties**

Carcinogenicity : no data available

Mutagenicity : 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 hazard**

No aspiration toxicity classification

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Component:	Octane-1,2-diol	CAS-No. 1117-86-8
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Acute toxicity**Oral**

LD50 Oral : > 2000 mg/kg (Rat) (OECD Test Guideline 401)

Inhalation

LC50 : > 7.015 mg/l (Rat; 4 h; dust/mist) (OECD Test Guideline 403)

Dermal

no data available

Irritation**Skin**

Result : No skin irritation

Eyes

Result : Irritating to eyes.

Sensitisation

Result : not sensitizing

CMR effects**CMR Properties**

Carcinogenicity : It is not considered carcinogenic.

Mutagenicity : In vitro tests did not show mutagenic effects

Reproductive toxicity : It is not considered toxic for reproduction.

Genotoxicity in vitro

Result : negative (Ames test)

negative (Chromosome aberration test in vitro)

Specific Target Organ Toxicity**Single exposure**

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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**Repeated dose toxicity**

NOAEL : 300 mg/kg
(Rat)
(Oral; 28-day) (OECD Test Guideline 407)

Aspiration hazard

No aspiration toxicity classification

SECTION 12: Ecological information**12.1. Toxicity**

Component:	2-Phenylethanol	CAS-No. 60-12-8
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Acute toxicity**Fish**

no data available

Toxicity to daphnia and other aquatic invertebrates

no data available

algae

no data available

Component:	Octane-1,2-diol	CAS-No. 1117-86-8
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Acute toxicity**Fish**

LC50 : > 2.2 - < 22 mg/l (Brachydanio rerio; 96 h) (OECD Test Guideline 203)

**ISCAGUARD PFA****Toxicity to daphnia and other aquatic invertebrates**

EC50 : 176 mg/l (Daphnia magna (Water flea); 48 h) (OECD Test Guideline 202)

algae

NOEC : 15 mg/l (Pseudokirchneriella subcapitata (green algae); 72 h) (OECD Test Guideline 201)

EC50 : 35 mg/l (Pseudokirchneriella subcapitata (green algae); 72 h) (OECD Test Guideline 201)

12.2. Persistence and degradability

Component:	2-Phenylethanol	CAS-No. 60-12-8
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Persistence and degradability**Persistence**

Result : no data available

Biodegradability

Result : no data available

Component:	Octane-1,2-diol	CAS-No. 1117-86-8
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Persistence and degradability**Persistence**

Result : no data available

Biodegradability

Result : ca. 40 % (Related to: Biochemical oxygen demand within 5 days)
Readily biodegradable

12.3. Bioaccumulative potential

Component:	2-Phenylethanol	CAS-No. 60-12-8
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Bioaccumulation

Result : no data available

Component:	Octane-1,2-diol	CAS-No. 1117-86-8
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Bioaccumulation

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Result : log Kow 2.1
Bioaccumulation is not expected.

12.4. Mobility in soil

Component:	2-Phenylethanol	CAS-No. 60-12-8
Mobility		

: no data available

Component:	Octane-1,2-diol	CAS-No. 1117-86-8
Mobility		

: no data available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment		
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Result : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Component:	2-Phenylethanol	CAS-No. 60-12-8
Results of PBT and vPvB assessment		

Result : no data available

Component:	Octane-1,2-diol	CAS-No. 1117-86-8
Results of PBT and vPvB assessment		

Result : Not applicable

12.6. Other adverse effects

Additional ecological information		
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Result : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

Component:	Octane-1,2-diol	CAS-No. 1117-86-8
Biochemical Oxygen Demand (BOD)		

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Result : 535 mg/g (Related to: Biochemical oxygen demand within 5 days)

Chemical Oxygen Demand (COD)

Result : 1290 mg/g

Additional ecological information
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Result : no data available

Component:	2-Phenylethanol	CAS-No. 60-12-8
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Additional ecological information
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Result : no data available

SECTION 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. Contact waste disposal services. Can be incinerated, when in compliance with local regulations.
- Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
- European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.



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14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

SECTION 15: Regulatory information

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

15.2. Chemical Safety Assessment

no data available

SECTION 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

Key literature references : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

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



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for such material used in combination with any other material
or in any process, unless specified in the text

|| Indicates updated section.