

## SAFETY DATA SHEET

# i.61 flexdose

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

### Product identifier

▼ *Trade name:*  
i.61 flexdose

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

*Relevant identified uses of the substance or mixture:*

Washing and cleaning products (including solvent based products)  
Restricted to professional and industrial use.

*Uses advised against :*

None known.

### Details of the supplier of the safety data sheet

*Company and address:*

**i-hygienic B.V.**  
Lenteweg 15  
7532 RV Enschede  
Nederland  
+31534282860

*E-mail:*

info@hygeniq.com

*SDS date:*

17/3/2026

*SDS Version:*

3.0

*Date of previous version:*

9/3/2026 (2.0)

### Emergency telephone number

In an emergency call 995

In less severe situations call the Drugs & Poison Hotline: 6423 9119

See section 4 "First aid measures".

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Not classified according to SS 586-2:2022.

### Label elements

*Hazard pictogram(s):*

Conforms to Singapore Standard SS 586-3:2022

Not applicable.

*Signal word:*

Not applicable.

*Hazard statement(s):*

Not applicable.

*Precautionary statement(s):*

*General:*

Not applicable.

*Prevention:*

Not applicable.

*Response:*

Not applicable.

*Storage:*

Not applicable.

*Disposal:*

Not applicable.

*Hazardous substances:*

Contains no substances that need to be listed on the label.

*Additional labelling:*

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

Not applicable. This product is a mixture.

### Mixtures

| Product/substance                                                                    | Identifiers                              | % w/w | Classification                                                                 | Note |
|--------------------------------------------------------------------------------------|------------------------------------------|-------|--------------------------------------------------------------------------------|------|
| Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(dodecyloxy)-, sodium salt | CAS No.: 33939-64-9<br>EC No.: 608-922-0 | 5-10% | Eye Irrit. 2, H319                                                             |      |
| 2-phenoxyethanol                                                                     | CAS No.: 122-99-6<br>EC No.: 204-589-7   | <1%   | Acute Tox. 4, H302 (ATE: 1394.00 mg/kg)<br>Eye Dam. 1, H318<br>STOT SE 3, H335 |      |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

-

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

*General information:*

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation:**

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

**Skin contact:**

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

**Eye contact:**

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

**Ingestion:**

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

**Burns:**

Not applicable.

**Most important symptoms and effects, both acute and delayed**

None known.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**Information to medics**

Bring this safety data sheet or the label from this product.

## SECTION 5: FIREFIGHTING MEASURES

**Extinguishing media**

Not applicable.

**Special hazards arising from the substance or mixture**

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

**Advice for firefighters**

No specific requirements.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Contaminated areas may be slippery.

**Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.  
Keep unauthorized persons away from the spill

**Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.  
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

#### Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

*Recommended storage material:*

Keep only in original packaging.

*Storage conditions:*

Dry, cool and well ventilated

*Incompatible materials:*

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

No substances are listed in the Workplace Safety and Health Act with a permissible exposure limit.

#### Exposure controls

Apply general control to prevent unnecessary exposure

*General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:*

There are no exposure scenarios implemented for this product.

*Exposure limits:*

Occupational exposure limits have not been defined for the substances in this product.

*Appropriate technical measures:*

Apply standard precautions during use of the product. Avoid inhalation of vapours.

*Hygiene measures:*

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

*Measures to avoid environmental exposure:*

No specific requirements.

#### Individual protection measures, such as personal protective equipment

*Generally:*

Use only protective equipment with a recognized certification mark, e.g. the S-Mark.

*Respiratory Equipment:*

| Type                              | Class | Colour | Standards |  |
|-----------------------------------|-------|--------|-----------|--|
| No special when used as intended. |       |        |           |  |

*Skin protection:*

| Recommended                       | Type/Category | Standards |  |
|-----------------------------------|---------------|-----------|--|
| No special when used as intended. | -             | -         |  |

*Hand protection:*

| Material                         | Glove thickness (mm) | Breakthrough time (min.) | Standards |  |
|----------------------------------|----------------------|--------------------------|-----------|--|
| No special when used as intended | -                    | -                        | -         |  |

*Eye protection:*

| Type                              | Standards |  |
|-----------------------------------|-----------|--|
| No special when used as intended. | -         |  |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

*Form:*

Liquid

*Colour:*

White

*Odour:*

Characteristic

*Odour threshold (ppm):*

No data available.

*pH:*

ca. 9,6

*Density (g/cm<sup>3</sup>):*

1.03 (20 °C)

*Kinematic viscosity:*

No data available.

*Particle characteristics:*

Does not apply to liquids.

### Phase changes

*Melting point/Freezing point (°C):*

No data available.

*Softening point/range (°C):*

Does not apply to liquids.

*Boiling point (°C):*

No data available.

*Vapour pressure:*

No data available.

*Relative vapour density:*

No data available.

*Decomposition temperature (°C):*

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No data available.

*Evaporation rate (n-butylacetate = 100):*

#### **Data on fire and explosion hazards**

*Flash point (°C):*

No data available.

*Flammability (°C):*

No data available.

*Auto-ignition temperature (°C):*

No data available.

*Explosion limits (% v/v):*

No data available.

#### **Solubility**

*Solubility in water:*

Completely soluble

*n-octanol/water coefficient (LogKow):*

No data available.

*Solubility in fat (g/L):*

No data available.

#### **Other information**

*Other physical and chemical parameters:*

No data available.

*Oxidizing properties:*

No data available.

## **SECTION 10: STABILITY AND REACTIVITY**

#### **Reactivity**

No data available.

#### **Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

#### **Possibility of hazardous reactions**

None known.

#### **Conditions to avoid**

None known.

#### **Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### **Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **Information on toxicological effects**

##### **Acute toxicity**

|                   |                  |
|-------------------|------------------|
| Product/substance | 2-phenoxyethanol |
| Species:          | Rat              |

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|                    |            |
|--------------------|------------|
| Route of exposure: | Oral       |
| Test:              | LD50       |
| Result:            | 1840 mg/kg |

|                    |                  |
|--------------------|------------------|
| Product/substance  | 2-phenoxyethanol |
| Species:           | Rabbit           |
| Route of exposure: | Dermal           |
| Result:            | >5000 mg/kg      |

|                    |                     |
|--------------------|---------------------|
| Product/substance  | 2-phenoxyethanol    |
| Species:           | Rabbit, male/female |
| Route of exposure: | Dermal              |
| Test:              | LD50                |
| Result:            | >2214 mg/kg         |

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

|                   |                                     |
|-------------------|-------------------------------------|
| Product/substance | 2-phenoxyethanol                    |
| Result:           | Adverse effect observed (Corrosive) |

|                   |                                             |
|-------------------|---------------------------------------------|
| Product/substance | 2-phenoxyethanol                            |
| Test method:      | OECD 404                                    |
| Species:          | Rabbit                                      |
| Duration:         | 4 hours                                     |
| Result:           | No adverse effect observed (Not irritating) |

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Product/substance | 2-phenoxyethanol                                    |
| Result:           | Adverse effect observed (Causes serious eye damage) |

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Product/substance | 2-phenoxyethanol                                    |
| Test method:      | OECD 405                                            |
| Species:          | Rabbit                                              |
| Duration:         | 15 days                                             |
| Result:           | Adverse effect observed (Causes serious eye damage) |

Based on available data, the classification criteria are not met.

#### Respiratory sensitisation

|                   |                                       |
|-------------------|---------------------------------------|
| Product/substance | 2-phenoxyethanol                      |
| Result:           | Adverse effect observed (sensitising) |

Based on available data, the classification criteria are not met.

#### Skin sensitisation

|                   |                                              |
|-------------------|----------------------------------------------|
| Product/substance | 2-phenoxyethanol                             |
| Test method:      | OECD 406                                     |
| Species:          | Guinea pig                                   |
| Result:           | No adverse effect observed (not sensitising) |

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

|                   |                  |
|-------------------|------------------|
| Product/substance | 2-phenoxyethanol |
| Test method:      | OECD 471         |
| Species:          | S. typhimurium   |
| Description:      | 20-5000          |

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Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

#### **Carcinogenicity**

Based on available data, the classification criteria are not met.

#### **Reproductive toxicity**

Product/substance 2-phenoxyethanol  
Species: Mouse, male/female  
Result: 1875 mg/kg bw

Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Long term effects**

None known.

## **SECTION 12: ECOLOGICAL INFORMATION**

#### **Toxicity**

Product/substance Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(dodecyloxy)-, sodium salt  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: >1 mg/L

Product/substance 2-phenoxyethanol  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: >100 mg/L

Product/substance 2-phenoxyethanol  
Species: Algae  
Duration: 72 hours  
Test: ErC50  
Result: >100 mg/L

Product/substance 2-phenoxyethanol  
Species: Daphnia magna  
Duration: 48 hours  
Test: EC50  
Result: >100 mg/L

Product/substance 2-phenoxyethanol  
Species: Fish  
Test: NOEC  
Result: 23 mg/L

Product/substance 2-phenoxyethanol



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|           |                        |
|-----------|------------------------|
| Species:  | Andere waterorganismen |
| Duration: | 30 minutes             |
| Test:     | EC50                   |
| Result:   | >1000 mg/L             |

|                   |                           |
|-------------------|---------------------------|
| Product/substance | 2-phenoxyethanol          |
| Species:          | Fish, Pimephales promelas |
| Duration:         | 96 hours                  |
| Result:           | 344 mg/L                  |

|                   |                        |
|-------------------|------------------------|
| Product/substance | 2-phenoxyethanol       |
| Test method:      | OECD 202               |
| Species:          | Daphnia, Daphnia magna |
| Duration:         | 48 hours               |
| Result:           | >500 mg/L              |

|                   |                                       |
|-------------------|---------------------------------------|
| Product/substance | 2-phenoxyethanol                      |
| Test method:      | Richtlijn 67/548/EEG, Bijlage V, C.1. |
| Species:          | Algae, Desmodesmus subspicatus        |
| Duration:         | 72 hours                              |
| Result:           | 625 mg/L                              |

|                   |                        |
|-------------------|------------------------|
| Product/substance | 2-phenoxyethanol       |
| Test method:      | OECD 211               |
| Species:          | Daphnia, Daphnia magna |
| Test:             | NOEC                   |
| Result:           | 9,43 mg/L              |

|                   |                  |
|-------------------|------------------|
| Product/substance | 2-phenoxyethanol |
| Species:          | Algae            |
| Test:             | EC50             |
| Result:           | 107 mg/kg        |

|                   |                  |
|-------------------|------------------|
| Product/substance | 2-phenoxyethanol |
| Test:             | EC50             |
| Result:           | 37 mg/kg         |

Based on available data, the classification criteria are not met.

#### Persistence and degradability

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| Product/substance | Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(dodecyloxy)-, sodium salt |
| Conclusion:       | -                                                                                    |

|                   |                       |
|-------------------|-----------------------|
| Product/substance | 2-phenoxyethanol      |
| Result:           | >70 %                 |
| Conclusion:       | Readily biodegradable |
| Test:             | OECD 301 A            |

|                   |                        |
|-------------------|------------------------|
| Product/substance | 2-phenoxyethanol       |
| Compartment:      | Activated Sludge Plant |
| Duration:         | 28 days                |
| Result:           | 90 %                   |
| Conclusion:       | Readily biodegradable  |
| Test:             | OECD 301 F             |

|                   |                  |
|-------------------|------------------|
| Product/substance | 2-phenoxyethanol |
|-------------------|------------------|

Conforms to Singapore Standard SS 586-3:2022

Compartment: Activated Sludge Plant  
Result: > 90 %  
Conclusion: Readily biodegradable

#### Bioaccumulative potential

Product/substance 2-phenoxyethanol  
BCF: 0.349  
LogKow: 1.2  
Conclusion: -

#### Mobility in soil

No data available.

#### Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

#### Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Environmental Protection and Management Act 1999 (2020 Rev. Ed.)

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION

|                 | 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es) | 14.4<br>PG* | 14.5<br>Env** | Other information: |
|-----------------|-----------------|---------------------------------|--------------------------|-------------|---------------|--------------------|
| ADR/A<br>DN/RID | -               | -                               | -                        | -           | -             | -                  |
| IMDG            | -               | -                               | -                        | -           | -             | -                  |
| IATA            | -               | -                               | -                        | -           | -             | -                  |

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR/ADN/RID, IATA and IMDG.

#### Special precautions for user

Not applicable.

#### Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

## SECTION 15: REGULATORY INFORMATION

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

##### ▼ Restrictions for application:

Restricted to professional users.

*Demands for specific education:*

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No specific requirements.

*Major hazard installation:*

Not applicable.

*Additional information:*

Not applicable.

*Sources:*

Employment Act 1968 (2020 Rev. Ed.)

Environmental Protection and Management Act 1999 (2020 Rev. Ed.)

Environmental Protection and Management Act (Chapter 94a, Section 77), Environmental Protection and Management (Hazardous Substances) Regulations (No. S 159/1999)

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019) as specified by SS 586-2 and SS 586-3:2022.

#### **Chemical safety assessment**

No

## **SECTION 16: OTHER INFORMATION**

#### **Full text of H-phrases as mentioned in section 3**

H302, Harmful if swallowed.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H335, May cause respiratory irritation.

#### **The full text of identified uses as mentioned in section 1**

None known.

#### **Abbreviations and acronyms**

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

EINECS = European Inventory of Existing Commercial chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

LogKow = logarithm of the n-octanol/water coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PEL = Permissible Exposure Level

RCM = Regulatory Mark of Conformity

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

SCL = A specific concentration limit

SS = Singapore Standard

STEL = Short-term exposure limits

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Conforms to Singapore Standard SS 586-3:2022

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**Additional information**

Not applicable.

**The safety data sheet is validated by**

Quality & Compliance

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: SG-en