

## SAFETY DATA SHEET

# iG.84 patio cleaner

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

### 1.1. Product identifier

*Trade name:*

iG.84 patio cleaner

### 1.2. 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.

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

▼ *Company and address:*

**i-hygienic B.V.**

Lenteweg 15

7532 RV Enschede

Nederland

0534282860

*E-mail:*

info@hygeniq.com

*Revision:*

10/12/2025

*SDS Version:*

2.0

*Date of previous version:*

08/08/2025 (2.0)

### 1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 111 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

## 2.2. Label elements

*Hazard pictogram(s):*

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:*

Does not contain any substances required to report

▼ *Additional labelling:*

EUH210, Safety data sheet available on request.

*Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:*

< 5%

· Non-ionic surfactants

## 2.3. Other hazards

*Additional warnings:*

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

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Neodecanoic acid	CAS No.: 26896-20-8 EC No.: 248-093-9 UK-REACH: Index No.:	3-5%		

C10-16 Alcholethoxylaat propoxylaat	CAS No.: 69227-22-1 EC No.: UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	[19]
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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information:

In the case of accident: Contact a doctor or casualty department – take 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:

In case of discomfort: bring the person into fresh air.

#### Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

#### Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

#### Burns:

Not applicable.

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

None known.

### 4.3. 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

### 5.1. Extinguishing media

Not applicable.

### 5.2. ▼ 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.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides (CO / CO<sub>2</sub>)

### 5.3. Advice for firefighters

No specific requirements.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

### 6.2. Environmental precautions

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

### 6.3. 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.

### 6.4. 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

### 7.1. Precautions for safe handling

Avoid contact during pregnancy and while nursing.  
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.

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

*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.

### 7.3. Specific end use(s)

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

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### DNEL

Neodecanoic acid

Duration:	Route of exposure:	DNEL:
Long term - Systemic effects - General population	Dermal	17.5 mg/kg bw/day
Long term - Systemic effects - General population	Dermal	1.06 mg/kg bw/day
Long term - Systemic effects - Workers	Dermal	29 mg/kg bw/day

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Long term – Systemic effects - Workers	Dermal	7.4 mg/kg bw/day
Long term – Local effects - General population	Inhalation	6.52 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	25.79 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	86 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	22.04 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	17.5 mg/kg bw/day
Long term – Systemic effects - General population	Oral	1.88 mg/kg bw/day

## PNEC

Neodecanoic acid

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		110 µg/L
Freshwater		0.478 mg/L
Marine water		11 µg/L
Marine water		0.0478 mg/L
Predators		16.7 mg/kg

## 8.2. 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:*

Wash hands after use.

*Measures to avoid environmental exposure:*

No specific requirements.

## Individual protection measures, such as personal protective equipment

*Generally:*

Use only UKCA marked protective equipment.


*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:*

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

*Eye protection:*

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

*Physical state:*

Liquid

*Colour:*

Colourless

*Odour / Odour threshold:*

Characteristic

*pH:*

ca. 8

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

1.01 (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):*

No data available.

### Data on fire and explosion hazards

*Flash point (°C):*

No data available.

*Flammability (°C):*

No data available.

*Auto-ignition temperature (°C):*

No data available.

*Lower and upper explosion limit (% 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.

### 9.2. Other information

*Oxidizing properties:*

No data available.

*Other physical and chemical parameters:*

No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

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

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

#### ▼ Acute toxicity

Product/substance	Neodecanoic acid
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50

Result: > 3 mg/L

Product/substance Neodecanoic acid  
Species: Rabbit  
Route of exposure: Dermal  
Test: LD50  
Result: > 3640 mg/kg

Product/substance Neodecanoic acid  
Species: Rat  
Route of exposure: Oral  
Test: LD50  
Result: 2066 mg/kg

Product/substance Neodecanoic acid  
Route of exposure: Oral  
Result: 2500 mg/kg

Product/substance C10-16 Alcoholethoxylaate propoxylaate  
Species: Rat  
Route of exposure: Oral  
Test: LD50  
Result: > 5000 Read across mg/kg

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

▼ **Skin corrosion/irritation**

Product/substance Neodecanoic acid  
Result: No adverse effect observed (Not irritating)

Product/substance C10-16 Alcoholethoxylaate propoxylaate  
Result: Adverse effect observed (Causes serious eye damage)

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

▼ **Serious eye damage/irritation**

Product/substance Neodecanoic acid  
Based on available data for the mixture, the classification criteria are not met.

▼ **Respiratory sensitisation**

Product/substance Neodecanoic acid  
Result: No adverse effect observed (not sensitising)

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

▼ **Skin sensitisation**

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

▼ **Germ cell mutagenicity**

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

▼ **Carcinogenicity**

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

▼ **Reproductive toxicity**

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

▼ **STOT-single exposure**

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

▼ **STOT-repeated exposure**

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

**▼ Aspiration hazard**

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

**▼ Symptoms related to the physical, chemical and toxicological characteristics**

None known.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

**Other information**

None known.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. ▼ Toxicity**

Product/substance: Neodecanoic acid  
Species: Algae, Pseudokirchneriella subcapitata  
Duration: 72 hours  
Result: >100 mg/L

Product/substance: Neodecanoic acid  
Species: Daphnia, Daphnia magna  
Duration: 48 hours  
Result: > 1000 mg/L

Product/substance: Neodecanoic acid  
Species: Fish, Oncorhynchus mykiss  
Duration: 96 hours  
Result: 100-300 mg/L

Product/substance: Neodecanoic acid  
Species: Daphnia, Daphnia magna  
Duration: 21 days  
Result: 10.1 mg/L

Product/substance: Neodecanoic acid  
Species: Fish, Oncorhynchus mykiss  
Duration: 14 days  
Test: NOEC  
Result: 2.22 mg/L

Product/substance: Neodecanoic acid  
Species: Daphnia, Daphnia magna  
Duration: 21 days  
Test: NOEC  
Result: 4.78 mg/L

Product/substance: C10-16 Alcholethoxylaate propoxylaate  
Test method: OECD 203  
Species: Fish, Oncorhynchus mykiss  
Duration: 96 hours  
Test: LC50

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Result: >1 - 10 mg/L

Product/substance C10-16 Alcoholethoxylaate propoxylaate  
Test method: OECD 202  
Species: Daphnia magna  
Duration: 48 hours  
Test: EC50  
Result: >1 - 10 mg/L

Product/substance C10-16 Alcoholethoxylaate propoxylaate  
Test method: OECD 201  
Species: Skeletonema costatum  
Duration: 72 hours  
Test: EC50  
Result: > 1 - 10 mg/L

Product/substance C10-16 Alcoholethoxylaate propoxylaate  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: 6,7 mg/L

Product/substance C10-16 Alcoholethoxylaate propoxylaate  
Species: Daphnia magna  
Duration: 48 hours  
Test: EC50  
Result: 7,6 mg/L

Product/substance C10-16 Alcoholethoxylaate propoxylaate  
Species: Algae  
Duration: 72 hours  
Test: IC50  
Result: 4,41 mg/L

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

### 12.2. Persistence and degradability

Product/substance Neodecanoic acid  
Conclusion: Readily biodegradable

Product/substance C10-16 Alcoholethoxylaate propoxylaate  
Conclusion: Readily biodegradable  
Test: OECD 301 B

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 12.3. Bioaccumulative potential

Product/substance Neodecanoic acid  
Compartment: Freshwater sediment  
Duration: 14 days  
BCF: <225  
LogKow: 2.08  
Conclusion: Bioaccumulation is not expected

#### 12.4. Mobility in soil

No data available.

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

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

#### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

#### 12.7. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Product is not covered by regulations on dangerous waste.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

#### EWC code

20 01 30 Detergents other than those mentioned in 20 01 29

#### Specific labelling

#### Contaminated packing

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

## SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
ADR/ADN/RID	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

#### ▼ Additional information

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

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

## SECTION 15: REGULATORY INFORMATION

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

##### ▼ Restrictions for application:

Restricted to professional and industrial use.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

*Demands for specific education:*

No specific requirements.

*Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:*

Not applicable.

*Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:*

< 5%

· Non-ionic surfactants

*Additional information:*

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

*Sources:*

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

## 15.2. Chemical safety assessment

No

## SECTION 16: OTHER INFORMATION

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

H319, Causes serious eye irritation.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition 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

PNEC = Predicted No Effect Concentration

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

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

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

#### **Additional information**

In accordance with UK-REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required by UK-REACH.

#### **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: GB-en