SAFETY DATA SHEET

iG.85 patio cleaner

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

1.1. Product identifier

Trade name:
iG.85 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.

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.:	10-15%		
potassium (E,E)-hexa-2,4-dienoate	CAS No.: 24634-61-5 EC No.: 246-376-1 UK-REACH: Index No.: 019-003-00-3	1-3%	Eye Irrit. 2, H319	

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

Other information

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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_x)

Carbon oxides (CO / CO2)

Some metal oxides

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
Long term – Systemic effects - Workers	Dermal	7.4 mg/kg bw/day
Long term – Local effects - General population	Inhalation	6.52 mg/m³
Long term – Systemic effects - General population	Inhalation	25.79 mg/m³
Long term – Systemic effects - Workers	Inhalation	86 mg/m³

Long term – Systemic effects - Workers	Inhalation	22.04 mg/m³
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

potassium (E,E)-hexa-2,4-dienoate

Duration:	**Route of exposure:**	**DNEL:**
Long term – Local effects - General population	Dermal	170 µg/cm²
Long term – Systemic effects - General population	Dermal	20 mg/kg/day
Long term – Systemic effects - General population	Dermal	20 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	40 mg/kg/day
Long term – Systemic effects - Workers	Dermal	40 mg/kg bw/day
Long term – Local effects - General population	Inhalation	26.08 mg/m³
Long term – Systemic effects - General population	Inhalation	52,17 mg/m³
Long term – Systemic effects - General population	Inhalation	52.17 mg/m³
Long term – Systemic effects - Workers	Inhalation	17,63 mg/m³
Long term – Systemic effects - Workers	Inhalation	17.63 mg/m³
Long term – Systemic effects - General population	Oral	2 mg/kg/day
Long term – Systemic effects - General population	Oral	2 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

potassium (E,E)-hexa-2,4-dienoate

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0,00048 g/cm³
Freshwater		1 mg/L
Freshwater sediment		0,00173 g/cm³
Freshwater sediment		3.6 mg/kg
Intermittent release (freshwater)		0.48 mg/L
Marine water		0,000048 g/cm³
Marine water		100 µg/L
Marine water sediment		0,000173 g/cm³
Marine water sediment		360 µg/kg
Sewage treatment plant		0,01 g/cm³
Sewage treatment plant		10 mg/L
Soil		0,00167 g/cm³

Soil		1.67 mg/kg
Soil		0.276 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:

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

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:
Characteristic

pH:
8.4

Density (g/cm³):
1.05 (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:
ND: 1.389

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	potassium (E,E)-hexa-2,4-dienoate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	3800 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	potassium (E,E)-hexa-2,4-dienoate
Result:	Adverse effect observed (Irritating)

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

▼Serious eye damage/irritation

Product/substance	Neodecanoic acid

Product/substance	potassium (E,E)-hexa-2,4-dienoate
Result:	Adverse effect observed (Irritating)

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	potassium (E,E)-hexa-2,4-dienoate
Test method:	OECD 203
Species:	Fish, Brachydanio rerio
Duration:	96 hours
Test:	LC50
Result:	>500 mg/L

Product/substance	potassium (E,E)-hexa-2,4-dienoate
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	982 mg/L

Product/substance	potassium (E,E)-hexa-2,4-dienoate
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Duration:	21 days
Test:	LC50
Result:	>50 mg/L

Product/substance	potassium (E,E)-hexa-2,4-dienoate
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Duration:	21 days
Test:	EC50
Result:	>50 mg/L

Product/substance	potassium (E,E)-hexa-2,4-dienoate
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	50 mg/L

Product/substance	potassium (E,E)-hexa-2,4-dienoate
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Duration:	21 days
Test:	LOEC
Result:	>50 mg/L

Product/substance	potassium (E,E)-hexa-2,4-dienoate
Test method:	OECD 201
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	EbC50
Result:	1223 mg/L

Product/substance	potassium (E,E)-hexa-2,4-dienoate
Test method:	OECD 201
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	ErC50
Result:	221 mg/L

Product/substance	potassium (E,E)-hexa-2,4-dienoate
Test method:	OECD 201
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	NOEC
Result:	10,5 mg/L

Product/substance	potassium (E,E)-hexa-2,4-dienoate
Test method:	OECD 201
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	LOEC
Result:	21 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	potassium (E,E)-hexa-2,4-dienoate
Result:	>95%
Conclusion:	Readily biodegradable

12.3. Bioaccumulative potential

Product/substance	Neodecanoic acid
Compartment:	Freshwater sediment
Duration:	14 days

BCF:	<225
LogKow:	2.08
Conclusion:	Bioaccumulation is not expected

Product/substance	potassium (E,E)-hexa-2,4-dienoate
BCF:	2,6
Conclusion:	-

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 information:
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.

Additional information:
Not applicable.

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