

Page 1 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.02.2023 / 0008
Replacing version dated / version: 01.11.2021 / 0007
Valid from: 07.02.2023
PDF print date: 17.02.2023
CLEAN and CLEVER PROFESSIONAL
Laundry powder biological PRO 42

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

CLEAN and CLEVER PROFESSIONAL
Laundry powder biological PRO 42

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

Relevant identified uses of the substance or mixture:

Detergent

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

GB

Igefa Handelsgesellschaft mbH & Co. KG
Henry-Kruse-Straße 1
16356 Ahrensfelde OT Blumberg
Tel.: +49 (0) 33394-51-0
Fax: +49 (0) 33394-51-210

Details of the supplier of the safety data sheet see section 16 of this safety data sheet.

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

GB

+49 551 19240 (D-37075 Göttingen, 24 hour)

Telephone number of the company in case of emergencies:

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class	Hazard category	Hazard statement
Eye Irrit.	2	H319-Causes serious eye irritation.

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Warning

H319-Causes serious eye irritation.

P280-Wear eye protection / face protection.

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.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substances

n.a.

3.2 Mixtures

Sodium carbonate	
Registration number (REACH)	---
Index	011-005-00-2
EINECS, ELINCS, NLP, REACH-IT List-No.	207-838-8
CAS	497-19-8
content %	20-30
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Eye Irrit. 2, H319
Disodium carbonate, compound with hydrogen peroxide (2:3)	
Registration number (REACH)	01-2119457268-30-XXXX
Index	---
EINECS, ELINCS, NLP, REACH-IT List-No.	239-707-6
CAS	15630-89-4
content %	10-20
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Ox. Sol. 3, H272 Acute Tox. 4, H302 Eye Dam. 1, H318
Specific Concentration Limits and ATE	Eye Dam. 1, H318: >25 % Eye Irrit. 2, H319: >=7,5 %
Silicic acid, sodium salt	
Registration number (REACH)	01-2119448725-31-XXXX
Index	---

Page 3 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.02.2023 / 0008
Replacing version dated / version: 01.11.2021 / 0007
Valid from: 07.02.2023
PDF print date: 17.02.2023
CLEAN and CLEVER PROFESSIONAL
Laundry powder biological PRO 42

EINECS, ELINCS, NLP, REACH-IT List-No.	215-687-4
CAS	1344-09-8
content %	1-<10
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Alcohols, C13-15, branched and linear, ethoxylated	
Registration number (REACH)	---
Index	---
EINECS, ELINCS, NLP, REACH-IT List-No.	---
CAS	157627-86-6
content %	1-2,5
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.
For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

If the person is unconscious, place in a stable side position and consult a doctor.

Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

On dust formation:

Irritation of the respiratory tract

Skin irritation possible with prolonged contact.

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt to the nature and extent of fire.

Water jet spray/foam/CO2/dry extinguisher

Unsuitable extinguishing media

Page 4 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.02.2023 / 0008
Replacing version dated / version: 01.11.2021 / 0007
Valid from: 07.02.2023
PDF print date: 17.02.2023
CLEAN and CLEVER PROFESSIONAL
Laundry powder biological PRO 42

None known

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of sulphur

Toxic gases

Can have a fire-promoting (oxidizing) effect due to oxygen release.

5.3 Advice for firefighters

For personal protective equipment see Section 8.

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Avoid build up of dust.

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

Contact with water - danger of sliding.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

Pick up mechanically and dispose of according to Section 13.

Flush residue using copious water.

Never return product to the original container for reuse.

Flush residue using copious water.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Avoid build up of dust.

Ensure good ventilation.

Avoid contact with eyes.

Avoid long lasting or intensive contact with skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Carefully avoid contamination of the product with foreign substances.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

Page 5 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.02.2023 / 0008
 Replacing version dated / version: 01.11.2021 / 0007
 Valid from: 07.02.2023
 PDF print date: 17.02.2023
 CLEAN and CLEVER PROFESSIONAL
 Laundry powder biological PRO 42

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.
 Store product closed and only in original packing.
 Not to be stored in gangways or stair wells.
 Keep away from combustible material.
 Protect against moisture and store closed.
 Protect from direct sunlight and warming.
 Store cool.

7.3 Specific end use(s)

No information available at present.
 Observe the instructions for good working practice and the recommendations for risk assessment.
 Consult hazardous substance information systems, e.g. from the professional associations, the chemical industry or different industries,
 depending on the application (building materials, wood, chemistry, laboratory, leather, metal).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	general dust limit	
WEL-TWA: 10 mg/m ³ (inhal. dust), 4 mg/m ³ (respir. dust)	WEL-STEL: ---	---
Monitoring procedures: ---		
BMGV: ---	Other information: ---	

Sodium carbonate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - inhalation	Long term, local effects	DNEL	10	mg/m ³	

Disodium carbonate, compound with hydrogen peroxide (2:3)						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,035	mg/l	
	Environment - marine		PNEC	0,035	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0,035	mg/l	
	Environment - sewage treatment plant		PNEC	16,24	mg/l	
Consumer	Human - dermal	Short term, local effects	DNEL	6,4	mg/cm ²	
Consumer	Human - dermal	Long term, local effects	DNEL	6,4	mg/cm ²	
Workers / employees	Human - dermal	Short term, local effects	DNEL	12,8	mg/cm ²	
Workers / employees	Human - dermal	Long term, local effects	DNEL	12,8	mg/cm ²	

Page 6 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.02.2023 / 0008
Replacing version dated / version: 01.11.2021 / 0007
Valid from: 07.02.2023
PDF print date: 17.02.2023
CLEAN and CLEVER PROFESSIONAL
Laundry powder biological PRO 42

Workers / employees	Human - inhalation	Long term, local effects	DNEL	5	mg/m3	
---------------------	--------------------	--------------------------	------	---	-------	--

Silicic acid, sodium salt						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	7,5	mg/l	
	Environment - marine		PNEC	1	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	7,5	mg/l	
	Environment - sewage treatment plant		PNEC	348	mg/l	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	1,38	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,8	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,8	mg/kg bw/day	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	1,59	mg/kg bw/day	

Zeolites						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	3,2	mg/l	
	Environment - marine		PNEC	0,32	mg/l	
	Environment - soil		PNEC	600	mg/kg dry weight	
	Environment - sewage treatment plant		PNEC	95	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	1,25	mg/kg body weight/day	
Consumer	Human - dermal	Long term, systemic effects	DNEL	1,25	mg/kg body weight/day	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	2,5	mg/kg body weight/day	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	3	mg/m3	

Sodium sulphate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	11,09	mg/l	
	Environment - marine		PNEC	1,109	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	17,66	mg/l	
	Environment - sediment, freshwater		PNEC	40,2	mg/kg dry weight	

Page 7 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.02.2023 / 0008
 Replacing version dated / version: 01.11.2021 / 0007
 Valid from: 07.02.2023
 PDF print date: 17.02.2023
 CLEAN and CLEVER PROFESSIONAL
 Laundry powder biological PRO 42

	Environment - sediment, marine		PNEC	4,02	mg/kg dry weight	
	Environment - soil		PNEC	1,54	mg/kg dry weight	
	Environment - sewage treatment plant		PNEC	800	mg/l	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	12	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	12	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	20	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	20	mg/m3	

GB WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).
 (8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
 ** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.
 (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
 Applies only if maximum permissible exposure values are listed here.
 Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.
 These are specified by e.g. EN 14042.
 EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
 Normally not necessary.
 With long-term contact:
 If applicable
 Rubber gloves (EN ISO 374).
 Protective gloves made of butyl (EN ISO 374).
 Protective nitrile gloves (EN ISO 374).
 Protective PVC gloves (EN ISO 374).
 Minimum layer thickness in mm:

Page 8 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.02.2023 / 0008
 Replacing version dated / version: 01.11.2021 / 0007
 Valid from: 07.02.2023
 PDF print date: 17.02.2023
 CLEAN and CLEVER PROFESSIONAL
 Laundry powder biological PRO 42

0,5
 Permeation time (penetration time) in minutes:
 480
 Protective hand cream recommended.

Skin protection - Other:
 Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:
 Normally not necessary.
 If the general dust-limit is exceeded, breathing masks with fine-dust filters are necessary (EN 143), code colour white.
 If applicable, filter P2 (EN 143), code colour white
 Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:
 Not applicable

Additional information on hand protection - No tests have been performed.
 In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.
 Selection of materials derived from glove manufacturer's indications.
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
 In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
 The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid, powder
Colour:	According to specification
Odour:	Perfumed
Melting point/freezing point:	There is no information available on this parameter.
Boiling point or initial boiling point and boiling range:	There is no information available on this parameter.
Flammability:	Not combustible.
Lower explosion limit:	Does not apply to solids.
Upper explosion limit:	Does not apply to solids.
Flash point:	Does not apply to solids.
Auto-ignition temperature:	Does not apply to solids.
Decomposition temperature:	There is no information available on this parameter.
pH:	10,5 (10 g/l, 20°C)
Kinematic viscosity:	Does not apply to solids.
Solubility:	Soluble
Partition coefficient n-octanol/water (log value):	Does not apply to mixtures.
Vapour pressure:	There is no information available on this parameter.
Density and/or relative density:	There is no information available on this parameter.
Relative vapour density:	Does not apply to solids.

9.2 Other information

Explosives:	Product is not explosive.
Oxidizing solids:	No
Bulk density:	900 kg/m ³ (20°C)

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

Protect from humidity.

10.5 Incompatible materials

Bases

Acids

Reducing agent

Combustible materials

Metals

Metal salts

10.6 Hazardous decomposition products

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Possibly more information on health effects, see Section 2.1 (classification).

CLEAN and CLEVER PROFESSIONAL Laundry powder biological PRO 42

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	ATE	>2000	mg/kg			calculated value
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Sodium carbonate

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	2800	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LD50	2,3	mg/l/2h	Rat	OECD 403 (Acute Inhalation Toxicity)	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant

Page 10 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.02.2023 / 0008
Replacing version dated / version: 01.11.2021 / 0007
Valid from: 07.02.2023
PDF print date: 17.02.2023
CLEAN and CLEVER PROFESSIONAL
Laundry powder biological PRO 42

Skin corrosion/irritation:						Product removes fat.
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2
Respiratory or skin sensitisation:						Not sensitising
Germ cell mutagenicity:					in vitro	Negative
Reproductive toxicity:						Negative
Symptoms:						diarrhoea, vomiting, mucous membrane irritation, nausea, lower abdominal pain, Dermatitis (skin inflammation)

Disodium carbonate, compound with hydrogen peroxide (2:3)						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	1034	mg/kg	Rat		References
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Skin corrosion/irritation:				Rabbit		Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Risk of serious damage to eyes., Corrosive
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitising
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEL	100	ppm	Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	
Aspiration hazard:						No
Symptoms:						eyes, reddened, diarrhoea, vomiting, stomach cramps

Silicic acid, sodium salt						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rat		
Acute toxicity, by inhalation:	LC50	>2060	mg/m3	Rat		
Skin corrosion/irritation:						Irritant
Serious eye damage/irritation:						Irritant
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEL	>159	mg/kg bw/d	Rat		
Symptoms:						respiratory distress, coughing, mucous membrane irritation

Page 11 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.02.2023 / 0008
 Replacing version dated / version: 01.11.2021 / 0007
 Valid from: 07.02.2023
 PDF print date: 17.02.2023
 CLEAN and CLEVER PROFESSIONAL
 Laundry powder biological PRO 42

Specific target organ toxicity - single exposure (STOT-SE), inhalative:						Irritation of the respiratory tract
---	--	--	--	--	--	-------------------------------------

11.2. Information on other hazards

CLEAN and CLEVER PROFESSIONAL Laundry powder biological PRO 42						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Endocrine disrupting properties:						Does not apply to mixtures.
Other information:						No other relevant information available on adverse effects on health.

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

CLEAN and CLEVER PROFESSIONAL Laundry powder biological PRO 42							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and degradability:							The surfactant(s) contained in this mixture complies (complies) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. 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:							n.d.a.
12.4. Mobility in soil:							n.d.a.

Page 12 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.02.2023 / 0008
 Replacing version dated / version: 01.11.2021 / 0007
 Valid from: 07.02.2023
 PDF print date: 17.02.2023
 CLEAN and CLEVER PROFESSIONAL
 Laundry powder biological PRO 42

12.5. Results of PBT and vPvB assessment							n.d.a.
12.6. Endocrine disrupting properties:							Does not apply to mixtures.
12.7. Other adverse effects:							No information available on other adverse effects on the environment.
Other information:	AOX						According to the recipe, contains no AOX.

Sodium carbonate							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.4. Mobility in soil:							Not relevant for inorganic substances.
12.1. Toxicity to fish:	LC50	96h	300	mg/l	Lepomis macrochirus		
12.1. Toxicity to daphnia:	EC50	48h	200 - 265	mg/l	Daphnia magna		
12.2. Persistence and degradability:							Product may hydrolyse.
12.3. Bioaccumulative potential:							Not to be expected
12.5. Results of PBT and vPvB assessment							Not relevant for inorganic substances.
Water solubility:			215	g/l			20°C

Disodium carbonate, compound with hydrogen peroxide (2:3)							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to daphnia:	EC50	48h	4,9	mg/l	Daphnia magna		
12.1. Toxicity to algae:	ErC50	72h	2,62	mg/l	Skeletonema costatum		
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
12.1. Toxicity to fish:	LC50	96h	70,7	mg/l	Pimephales promelas		
12.1. Toxicity to daphnia:	NOEC/NOEL	48h	2	mg/l	Daphnia pulex		
12.3. Bioaccumulative potential:							No bioaccumulation
Toxicity to bacteria:	EC50	30min	466	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

Silicic acid, sodium salt							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes

Page 13 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.02.2023 / 0008
Replacing version dated / version: 01.11.2021 / 0007
Valid from: 07.02.2023
PDF print date: 17.02.2023
CLEAN and CLEVER PROFESSIONAL
Laundry powder biological PRO 42

12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC50	48h	>100	mg/l	Daphnia magna		
Toxicity to bacteria:	EC0	48h	>1000	mg/l			

Alcohols, C13-15, branched and linear, ethoxylated							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to daphnia:	NOEC/NOEL		>0,1-<1	mg/l			References
12.1. Toxicity to algae:	EC50	72h	1 - 10	mg/l	Scenedesmus subspicatus		Analogous conclusion
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Other information:	COD		2430	mg/g			

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.
Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

07 06 99 wastes not otherwise specified

20 01 29 detergents containing hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Recommended cleaner:

Water

SECTION 14: Transport information

General statements

Transport by road/by rail (ADR/RID)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Not applicable

Tunnel restriction code:

Not applicable

Classification code:

Not applicable

LQ:

Not applicable

Transport category:

Not applicable

Transport by sea (IMDG-code)

14.1. UN number or ID number:

Not applicable

Page 14 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.02.2023 / 0008
 Replacing version dated / version: 01.11.2021 / 0007
 Valid from: 07.02.2023
 PDF print date: 17.02.2023
 CLEAN and CLEVER PROFESSIONAL
 Laundry powder biological PRO 42

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Not applicable

Marine Pollutant:

Not applicable

EmS:

Not applicable

Transport by air (IATA)

14.1. UN number or ID number:

Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Not applicable

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

Observe restrictions:

Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC):

> 0,1 %

REGULATION (EC) No 648/2004

15 % or over but less than 30 %

zeolites

5 % or over but less than 15 %

oxygen-based bleaching agents

less than 5 %

anionic surfactants

non-ionic surfactants

soap

perfumes

enzymes

optical brighteners

BENZISOTHIAZOLINONE

National rules/regulation for the compliance with maximum quantities with regard to phosphates and or phosphorous compounds must be observed and complied with.

National requirements/regulations on safety and health protection must be applied when using work equipment.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

7,8,15,16

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.02.2023 / 0008
Replacing version dated / version: 01.11.2021 / 0007
Valid from: 07.02.2023
PDF print date: 17.02.2023
CLEAN and CLEVER PROFESSIONAL
Laundry powder biological PRO 42

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Eye Irrit. 2, H319	Classification according to calculation procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H272 May intensify fire, oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

Eye Irrit. — Eye irritation
Ox. Sol. — Oxidising solid
Acute Tox. — Acute toxicity - oral
Eye Dam. — Serious eye damage
Skin Irrit. — Skin irritation
STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation
Aquatic Chronic — Hazardous to the aquatic environment - chronic

Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.
Guidelines for the preparation of safety data sheets as amended (ECHA).
Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).
Safety data sheets for the constituent substances.
ECHA Homepage - Information about chemicals.
GESTIS Substance Database (Germany).
German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).
EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.
National Lists of Occupational Exposure Limits for each country as amended.
Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Hauptsitz: IGEFA SE & Co. KG Neuenbrook 6 24537 Neumünster Tel. 04321 8510-0 Fax 04321 8510-100 Website: www.igefa.de E-Mail: info@igefa.de	IGEFA Handelsgesellschaft mbH & Co. KG Henry-Kruse-Str. 1 16356 Ahrensfelde / OT Blumberg Tel. 033394 / 51 - 0 Fax 033394 / 51 - 210 www.igefa.de E-Mail: info@igefa.de	IGEFA IT Service GmbH & Co. KG Neuenbrook 6 24537 Neumünster www.igefa.de
---	---	--

IGEFA Zentrallogistik GmbH & Co. KG Henry-Kruse-Str. 1 16356 Ahrensfelde / OT Blumberg Tel. 033394 / 51 - 0 Fax 033394 / 51 - 230 E-Mail: info@igefa.de	IGEFA ProMedical GmbH Daimlerstraße 1 23617 Stockelsdorf Tel. 0451 / 400 31 350 Fax 0451 / 400 31 450 E-Mail: info.promed@promedical.igefa.de	Jesse GmbH & Co. KG Triftstraße 33 38723 Seesen Tel. 05391 / 9470-0 Fax 05381 / 9470 - 77 E-Mail: info@jesseonline.de
---	---	---

Page 16 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.02.2023 / 0008
 Replacing version dated / version: 01.11.2021 / 0007
 Valid from: 07.02.2023
 PDF print date: 17.02.2023
 CLEAN and CLEVER PROFESSIONAL
 Laundry powder biological PRO 42

IGEFA E-Business GmbH & Co. KG
 Ludwig-Erhard-Ring 16
 15827 Blankenfelde-Mahlow OT Dahlewitz
 Tel. 030 57701543 - 0
 Fax 030 57701543 - 2
 Email: info@idealclean.de

Arndt GmbH & Co. KG
 Elly-Staegmeyr-Str. 4
 80999 München
 Tel. 089 / 81 85 - 0
 Fax 089 / 81 85 - 222
 E-Mail: arndt.muenchen@igefa.de

Arndt GmbH & Co. KG
 Hundingsstraße 9
 90431 Nürnberg
 Tel. 0911 / 9 93 21 - 0
 Fax 0911 / 9 93 21 - 50
 E-Mail: arndt.nuernberg@igefa.de

Arndt GmbH & Co. KG
 Mainfrankenpark 7
 97337 Dettelbach
 Tel. 09302 / 9 31 9 - 00
 Fax 09302 / 9 31 9 - 31
 E-Mail: arndt.wuerzburg@igefa.de

Arndt GmbH & Co. KG
 Eidlerholzstr. 1
 87746 Erkheim
 Tel. 08336 / 80150 - 0
 Fax 08336 / 80150 - 777
 E-Mail: arndt.memmingen@igefa.de

Arndt GmbH & Co. KG
 Oskar-von-Miller-Straße 6
 84051 Essenbach
 Tel. 08703 / 93 14 - 0
 Fax 08703 / 93 14 - 14
 E-Mail: arndt.landshut@igefa.de

IGEFA Dresden GmbH & Co. KG
 Stuttgarter Str. 7
 01189 Dresden
 Tel. 0351 / 20 78 0 - 0
 Fax 0351 / 20 78 0 - 20
 E-Mail: igefa.dresden@igefa.de

Eichler-Kammerer GmbH & Co. KG
 Darmstädter Str. 64
 64572 Büttelborn
 Tel. 06152 / 94 80
 Fax 06152 / 94 83 33
 E-Mail: hegro@igefa.de

IGEFA Leipzig GmbH & Co. KG
 Rudolf-Diesel-Straße 11
 04451 Borsdorf,
 Tel. 034291 / 313 - 0
 Fax 034291 / 313144650
 E-Mail: igefa.leipzig@igefa.de

Hegro Eichler GmbH
 Darmstädter Str. 64
 64572 Büttelborn
 Tel. 06152 / 94 80
 Fax 06152 / 94 83 33
 E-Mail: hegro@igefa.de

Hegro Eichler GmbH
 Siemensstraße 3
 63303 Dreieich
 Tel. 06103 / 57175 - 0
 Fax 06103 / 57175 - 50
 E-Mail: hegro@igefa.de

Kammerer GmbH & Co. KG
 John-Deere-Straße 13
 76646 Bruchsal
 Tel. 07251 / 78 2 - 0
 Fax 07251 / 78 2 - 44 111
 E-Mail: kammerer@igefa.de

Kruse Beteiligungsgesellschaft
 mbH & Co. Kommanditgesellschaft
 Neuenbrook 6
 24537 Neumünster
 Tel. 04321 / 8510 - 0
 Fax 04321 / 8510 - 100
 E-Mail: kruse@igefa.de

Henry Kruse GmbH & Co. KG
 Zum Fliegerhorst 6
 25980 Sylt-Ost/ Tinnum
 Tel. 04651 / 31 02 8
 Fax 04651 / 32 57 0
 E-Mail: kruse@igefa.de

IGEFA Köln GmbH & Co. KG
 Geigerstr. 9
 50169 Kerpen
 Tel. 0 22 37 / 97 90 - 0
 Fax 0 22 37 / 97 90 - 301
 E-Mail: igefa.koeln@igefa.de

IGEFA Rostock GmbH & Co. KG
 Adolf-Kruse-Straße 1
 18299 Laage/ OT Krons Kamp
 Tel. 038459 / 615 - 0
 Fax 038459 / 615 - 305
 E-Mail: igefa.rostock@igefa.de

Marco GmbH & Co. KG
 Riegeler Str. 1
 79364 Malterdingen
 Tel. 07644 / 9 27 0
 Fax 07644 / 9 27 555
 E-Mail: marco.freiburg@igefa.de

Henry Kruse GmbH & Co. KG
 Neuenbrook 6
 24537 Neumünster
 Tel. 04321 / 8510 - 0
 Fax 04321 / 8510 - 100
 E-Mail: kruse@igefa.de

Hildebrandt & Bartsch
 GmbH & Co. KG
 Ludwig-Erhard-Ring 16
 15827 Blankenfelde-Mahlow
 Tel. 033708 / 57 - 0
 Fax 033708 / 57 - 444
 E-Mail: hb@igefa.de

PAM Berlin GmbH & Co. KG
 Am Wall 8
 14979 Großbeeren
 Tel.: +49 33701 336 - 0
 Fax: +49 33701 336 - 209
 E-Mail: info@pam-berlin.de

Henry Kruse GmbH & Co. KG
 Daimlerstraße 1
 23617 Stockelsdorf
 Tel. 0451 / 400 31 350
 Fax 0451 / 400 31 450
 E-Mail: kruse@igefa.de

Page 17 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.02.2023 / 0008
 Replacing version dated / version: 01.11.2021 / 0007
 Valid from: 07.02.2023
 PDF print date: 17.02.2023
 CLEAN and CLEVER PROFESSIONAL
 Laundry powder biological PRO 42

Wittrock & Uhlenwinkel GmbH
 Julius-Faucher-Str. 33
 28307 Bremen
 Tel. 0421 / 48 59 2 - 0
 Fax 0421 / 48 82 65
 E-Mail: w&u@igefa.de

Wittrock & Uhlenwinkel
 GmbH & Co. Vertriebs KG
 Le-Havre-Str. 10
 28309 Bremen
 Tel. 0421 / 87 15 7 - 0
 Fax 0421 / 87 15 7 - 60
 E-Mail: w&u.bremen@igefa.de

Wittrock+Kraatz GmbH & Co.
 Vertriebs KG
 Auf den Pohläckern 24
 31275 Lehrte
 Tel. 05132 / 92 17 0
 Fax 05132 / 92 17 399
 E-Mail: wittrock+kraatz.lehrte@igefa.de

Wittrock & Uhlenwinkel
 GmbH & Co. KG
 Carl-Lüer-Straße 11
 49084 Osnabrück
 Tel. 0541 / 95 70 2 - 0
 Fax 0541 / 58 83 69
 E-Mail: w&u.osnabrueck@igefa.de

Oelckers
 GmbH & Co. Vertriebs KG
 Wilfried-Mohr-Straße 7
 25436 Tornesch
 Tel. 04120 / 97 8 - 0
 Fax 04120 / 97 8 - 29 1
 E-Mail: oelckers.hamburg@igefa.de

Hegro-Eichler GmbH & Co. KG
 Otto-Hahn-Straße 20
 34123 Kassel
 Telefon: 0561 / 95869 - 0
 Telefax: 0561 / 95869 - 44
 E-Mail: hegro.kassel@igefa.de

Hegro Eichler
 GmbH & Co. KG
 An der Büßleber Grenze 1
 99098 Erfurt
 Tel. 0361 / 60 24 55 5
 Fax 0361 / 60 24 55 0
 E-Mail: hegro.erfurt@igefa.de

IGEFA Fachgroßhandlung
 Mettmann
 GmbH & Co. Vertriebs KG
 Im Uhlenwinkel 1
 40822 Mettmann
 Tel. 02104 / 91 53
 Fax 02104 / 91 54 90
 E-Mail: igefa.mettmann@igefa.de

Witt Reinigungsbedarf GmbH
 Ohrestrasse 16-18
 39124 Magdeburg
 Tel. 0391 / 40 48 73 3
 Fax 0391 / 40 48 73 4
 E-Mail: witt.magdeburg@igefa.de

Arndt Handels GmbH
 Brown-Boveri-Straße 6
 2351 Wiener Neudorf
 Tel. +43 (0) 2236 31346 0
 E-Mail: arndt.wien@igefa.at
 www.igefa.de/arndt-wien

E. Weber & Cie AG
 Industriestrasse 28
 8157 Dielsdorf
 Tel. +41 (0) 44 870 87 00
 E-Mail: info@webstar.ch
 www.webstar.ch

Hazet v.o.f.
 Pieter Liefinckweg 30
 1505 HX Zaandam
 Tel. +41 (0) 75 650 40 30
 E-Mail: info@hazet.igefa.nl
 www.hazet.igefa.nl

Verpa Benelux NV
 Nikelaan 4
 2430 Laakdal
 Tel. +32 (0) 13 66 38 65
 Fax +32 (0) 13 66 63 72
 E-Mail: info@verpa.be
 www.verpa.be

REDELUX TOUSSAINT LUX s.à.r.l.
 83 Rue de Strasbourg
 2561 Luxembourg
 Tel. +352 26 10 28 79
 Fax +352 26 10 28 94
 E-Mail: info@toussaint-lux.com
 www.toussaint-lux.com

ADISCO s.a.r.l.
 333 cours du 3ème Millénaire
 69800 Saint Priest
 Tel. +33 (0) 4 72 01 13 14
 Fax +33 (0) 4 72 01 13 15
 E-Mail: info@adisco.fr
 www.adisco.fr

Toussaint SARL
 Z.A. Rue des Forgerons
 BP 60014
 57916 WOUSTVILLER Cedex
 Tel. +33 (0) 3 87 95 14 74
 Fax +33 (0) 3 87 98 27 69
 E-Mail: info@toussaint.igefa.com
 www.toussaint-sarl.fr

Toussaint 67 SARL
 B.P. 60050
 4, Rue de l'industrie
 67402 Illkirch Cedex
 Tel. +33 (0) 3 88 66 07 10
 Fax +33 (0) 3 88 66 70 13
 E-Mail: info@toussaint.igefa.com
 www.toussaint-sarl.fr

Toussaint 21
 B.P. 24 175,
 Rue du Centre Arco
 21160 Marsannay-la-Côte
 Tel. +33 (0) 3 80 51 29 22
 Fax +33(0) 3 80 51 23 01
 E-Mail: info@toussaint.igefa.com
 www.toussaint-sarl.fr

Page 18 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.02.2023 / 0008
 Replacing version dated / version: 01.11.2021 / 0007
 Valid from: 07.02.2023
 PDF print date: 17.02.2023
 CLEAN and CLEVER PROFESSIONAL
 Laundry powder biological PRO 42

Toussaint 59 SA
 401, av. Jean-Jacques Segard
 59554 Tilloy-lez-Cambrai
 Tel. +33 (0) 3 27 81 35 08
 Fax +33 (0) 3 27 83 86 64
 E-Mail: info@toussaint.igefa.com
 www.toussaint-sarl.fr

API – MPI
 4-6 Avenue Durand De Gros
 12000 Rodez
 Tel. +33 (0) 5 65 67 12 28
 Fax +33 (0) 5 65 67 15 33
 E-Mail: api-mpi@wanadoo.fr
 www.adisco.fr

BARTHOLUS
 54, avenue Raspail
 94100 Saint Maur-des-Fossés
 Tel. +33 (0) 1 43 68 10 26
 Fax +33 (0) 1 48 93 25 37
 E-Mail: servcom@bartholus-sa.fr
 www.bartholus.fr

CORESTEL
 Z.I. de la Lézarde
 97232 Le Lamentin
 Tel. +33 (0) 5 96 51 78 17
 E-Mail: info@corestel.com
 www.corestel.net

DESLANDES
 ZA les 4 chemins - BP 365
 85403 Luçon Cedex
 Tel. +33 (0) 2 51 56 10 98
 Fax +33 (0) 2 51 56 93 41
 E-Mail: deslandes@deslandes-prosys.fr
 www.deslandes-adisco.com

DIFCO
 83 allée des Violettes
 Z.A. Champ Canon
 BP 72 – 74210 Saint-Ferreol
 Tel. +33 (0) 4 50 32 50 64
 Fax +33 (0) 4 50 32 54 03
 E-Mail: difco@difco.fr
 www.difco.fr

FCH
 570, rue des Mercières
 69140 Rillieux-la-Pape
 Tel. +33 (0) 4 37 85 16 00
 Fax +33 (0) 4 37 85 16 01
 E-Mail: info@fc-hygiene.com
 www.fc-hygiene.com

Hygien Azur
 ZA de l'Ecluse Route de Taradeau - D10
 83460 Les Arcs-sur-Argens
 Tel. +33 (0) 4 94 44 56 06
 Fax +33 (0) 4 94 51 01 26
 E-Mail: contact@hygien-azur.fr
 www.hygien-azur.fr

IDS
 Rue Strada Vechhia – Valrose
 20290 Borgo
 Tel. +33 (0) 4 95 30 30 65
 E-Mail: al.ricomini@groupe-cr.fr
 www.groupe-cr.fr

HYCODIS
 La Porte Du Quercy
 47500 Montayral
 Tel. +33 (0) 5 53 40 96 80
 Fax +33 (0) 5 53 40 81 56
 E-Mail: hycodis@hycodis.fr
 www.hycodis-adisco.com

SERIMCO
 134, rue de Chanzy
 BP 10 - 78801 Houilles Cedex
 Tel. +33 (0) 1 61 04 45 30
 Fax +33 (0) 1 61 04 45 39
 E-Mail: serimco@orange.fr
 www.serimco.fr

SODIPREN
 ZA Parc des Gaillons
 61400 Saint-Hilaire-le-Châtel
 Tel. +33 (0) 2 33 85 37 85
 Fax +33 (0) 2 33 83 57 82
 E-Mail: sodipren-direction@orange.fr
 www.sodipren.com

SODIPEC La Trinité
 140, route de Croves, Plan de Blavet
 06240 Drap
 Tel. +33 (0) 4 93 54 75 17
 Fax +33 (0) 4 93 54 82 87
 E-Mail: sodipec@sodipec.com
 www.sodipec.com

SOL SERVICE
 50, Boulevard Marcel Sembat
 69200 Vénissieux
 Tel. +33 (0) 4 72 78 87 87
 E-Mail: contact@solservice.fr
 www.solservice.fr

T.L.D. PRO
 Ecoparc du Val de Sée, Le Chêne au Loup
 50870 Tirepied
 Tel. +33 (0) 2 33 70 91 80
 Fax +33 (0) 2 33 68 19 83
 E-Mail: tldpro@orange.fr
 www.tldpro.fr

E.H.S Eau Hygiène Service
 2001 avenue Julien Panchot
 66000 Perpignan
 Tel. +33 (0) 4 68 82 13 66
 Fax +33 (0) 9 60 50 12 30
 E-Mail: e.h.s@orange.fr

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to

Page 19 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.02.2023 / 0008
 Replacing version dated / version: 01.11.2021 / 0007
 Valid from: 07.02.2023
 PDF print date: 17.02.2023
 CLEAN and CLEVER PROFESSIONAL
 Laundry powder biological PRO 42

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
 AOX Adsorbable organic halogen compounds
 approx. approximately
 Art., Art. no. Article number
 ASTM ASTM International (American Society for Testing and Materials)
 ATE Acute Toxicity Estimate
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
 BCF Bioconcentration factor
 BSEF The International Bromine Council
 bw body weight
 CAS Chemical Abstracts Service
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
 CMR carcinogenic, mutagenic, reproductive toxic
 DMEL Derived Minimum Effect Level
 DNEL Derived No Effect Level
 DOC Dissolved organic carbon
 dw dry weight
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
 EbCx, EyCx, ElCx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)
 EC European Community
 ECHA European Chemicals Agency
 ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect
 EEC European Economic Community
 EINECS European Inventory of Existing Commercial Chemical Substances
 ELINCS European List of Notified Chemical Substances
 EN European Norms
 EPA United States Environmental Protection Agency (United States of America)
 ErCx, EμCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)
 etc. et cetera
 EU European Union
 EVAL Ethylene-vinyl alcohol copolymer
 Fax. Fax number
 gen. general
 GHS Globally Harmonized System of Classification and Labelling of Chemicals
 GWP Global warming potential
 Koc Adsorption coefficient of organic carbon in the soil
 Kow octanol-water partition coefficient
 IARC International Agency for Research on Cancer
 IATA International Air Transport Association
 IBC (Code) International Bulk Chemical (Code)
 IMDG-code International Maritime Code for Dangerous Goods
 incl. including, inclusive
 IUCLID International Uniform Chemical Information Database
 IUPAC International Union for Pure Applied Chemistry
 LC50 Lethal Concentration to 50 % of a test population
 LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)
 Log Koc Logarithm of adsorption coefficient of organic carbon in the soil
 Log Kow, Log Pow Logarithm of octanol-water partition coefficient
 LQ Limited Quantities
 MARPOL International Convention for the Prevention of Marine Pollution from Ships
 n.a. not applicable
 n.av. not available
 n.c. not checked
 n.d.a. no data available
 NIOSH National Institute for Occupational Safety and Health (USA)
 NLP No-longer-Polymer
 NOEC, NOEL No Observed Effect Concentration/Level
 OECD Organisation for Economic Co-operation and Development

Page 20 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.02.2023 / 0008
Replacing version dated / version: 01.11.2021 / 0007
Valid from: 07.02.2023
PDF print date: 17.02.2023
CLEAN and CLEVER PROFESSIONAL
Laundry powder biological PRO 42

org. organic
OSHA Occupational Safety and Health Administration (USA)
PBT persistent, bioaccumulative and toxic
PE Polyethylene
PNEC Predicted No Effect Concentration
ppm parts per million
PVC Polyvinylchloride
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SVHC Substances of Very High Concern
Tel. Telephone
TOC Total organic carbon
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by:

Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.