

Safety data sheet
According to regulations (EC) N° 1907/2006 and N° 830/2015

Printing date 27.11.2017


Version number 1

Revision: 27.11.2017

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

- **1.1 Product identifier**
- **Trade name:** DISHWASH TABLETS **91948**
- **Article number:** 60966
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Automatic dishwashing tabs
- **Manufacturer/Supplier:** GREYLAND LIMITED
 Unit 9, Fifth Avenue,
 Tameside Park Industrial Estate,
 Dukinfield,
 Cheshire. SK16 4PP
- **Further information obtainable from:** GREYLAND LIMITED
- **1.4 Emergency telephone number:** +44 (0) 161 343 3830

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**
 Eye Irrit. 2 H319 Causes serious eye irritation.
 - **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.
 - **Hazard pictograms**
- 

GHS07
- **Signal word** Warning
 - **Hazard statements** H319 Causes serious eye irritation.
 - **Precautionary statements**
- P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

(Contd. on page 2)

Safety data sheet

According to regulations (EC) N° 1907/2006 and N° 830/2015

Printing date 27.11.2017

Version number 1

Revision: 27.11.2017

Trade name: DISHWASH TABLETS**91948**

(Contd. of page 1)

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.
 P411 Store at temperatures not exceeding 40°C.

- **Additional information:** Contains Subtilisin. May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment** According to Annex XIII of REACH Regulation
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **Description:** Cleaning agent

- **Dangerous components:**

CAS: 497-19-8 EINECS: 207-838-8 Reg.nr.: 01-2119485498-19-0017	sodium carbonate ⚠ Eye Irrit. 2, H319	>25%
CAS: 15630-89-4 EINECS: 239-707-6 Reg.nr.: 01-2119457268-30	SODIUM CARBONATE PEROXIDE CAS 15630-89-4 ⚠ Ox. Sol. 2, H272; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	10-25%
CAS: 68439-49-6	Alcohols, C16-18, ethoxylated ⚠ Eye Irrit. 2, H319	≤2.5%
CAS: 29329-71-3 EINECS: 249-559-4 Reg.nr.: 01-2119510382-52	(1-hydroxyethylidene)bisphosphonic acid, sodium salt CAS 29329-71-3 ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	≤2.5%
CAS: 9014-01-1 EINECS: 232-752-2 Reg.nr.: 01-2119480434-38	Subtilisin ⚠ Resp. Sens. 1, H334; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	≤2.5%

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

oxygen-based bleaching agents	≥5 - <15%
polycarboxylates, non-ionic surfactants, phosphonates	<5%
enzymes, perfumes	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 3)

Safety data sheet
According to regulations (EC) N° 1907/2006 and N°
830/2015

Printing date 27.11.2017

Version number 1

Revision: 27.11.2017

Trade name: DISHWASH TABLETS**91948**

(Contd. of page 2)

- **4.3 Indication of any immediate medical attention and special treatment needed** *No further relevant information available.*

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** *Use fire extinguishing methods suitable to surrounding conditions.*
- **5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*
- **5.3 Advice for firefighters**
- **Protective equipment:** *No special measures required.*

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** *Not required.*
- **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*
- **6.3 Methods and material for containment and cleaning up:** *Pick up mechanically.*
- **6.4 Reference to other sections** *See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.*

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** *No special measures required.
Prevent formation of dust.*
- **Information about fire - and explosion protection:** *Protect from heat.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *Keep container tightly sealed.
Protect from heat and direct sunlight.*

(Contd. on page 4)

Safety data sheet
According to regulations (EC) N° 1907/2006 and N°
830/2015

Printing date 27.11.2017

Version number 1

Revision: 27.11.2017

Trade name: DISHWASH TABLETS

91948

· **7.3 Specific end use(s)** No further relevant information available.

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:**

No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

9014-01-1 Subtilisin

WEL (Great Britain)	Long-term value: 0.00004 mg/m ³ Sen
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· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and**

hygienic measures:

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes.
 Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.

· **Protection of hands:**



Protective Gloves

Valid in case of prolonged contacts like during production
 Not required in normal use
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitril rubber, NBR
 Natural rubber, NR
 PVC gloves

· **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

Valid in case of prolonged contacts like during production
 Not required in normal use

GB

(Contd. on page 5)

Safety data sheet
According to regulations (EC) N° 1907/2006 and N°
830/2015

Printing date 27.11.2017

Version number 1

Revision: 27.11.2017

Trade name: DISHWASH TABLETS

91948

(Contd. of page 4)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Solid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Alkaline
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
· Flash point:	Not applicable.
· Flammability (solid, gas):	Not determined.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not applicable.
· Density:	Not applicable, solid product
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Soluble.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.1 %
Solids content:	99.9 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
· 10.2 Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications. No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions	No dangerous reactions known.

(Contd. on page 6)

Safety data sheet
According to regulations (EC) N° 1907/2006 and N°
830/2015

Printing date 27.11.2017

Version number 1

Revision: 27.11.2017

Trade name: DISHWASH TABLETS**91948**

(Contd. of page 5)

- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

15630-89-4 SODIUM CARBONATE PEROXIDE CAS 15630-89-4

Oral	LD50	1,034 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** The surfactant(s) contained in this preparation complies(comply) 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** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 7)

Safety data sheet
According to regulations (EC) N° 1907/2006 and N°
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Version number 1

Revision: 27.11.2017

Trade name: DISHWASH TABLETS**91948**

(Contd. of page 6)

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** CLP Regulation (EC) n°1272/2008 and its adaptations.
Detergents Regulation (EC) n°648/2004 and its adaptations.

No restriction under Annex XVII of REACH
Contains no REACH candidate substance
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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(Contd. on page 8)

Safety data sheet
According to regulations (EC) N° 1907/2006 and N°
830/2015

Printing date 27.11.2017

Version number 1

Revision: 27.11.2017

Trade name: DISHWASH TABLETS**91948**

(Contd. of page 7)

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

For substances with REACH registration number, information on the classification by Regulation (EC) No 1272/2008 are provided by the supplier of the substance.

For all other substances, information on the classification by Regulation (EC) No 1272/2008 are purely illustrative (automatic software), and may be modified based on data suppliers.

- **Relevant phrases**
 - H272 May intensify fire; oxidiser.
 - H302 Harmful if swallowed.
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 - H335 May cause respiratory irritation.

- **Department issuing SDS:** GREYLAND LIMITED
- **Contact:** +44 (0) 161 343 3830
- **Abbreviations and acronyms:**
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Ox. Sol. 2: Oxidizing solids – Category 2
 - Acute Tox. 4: Acute toxicity – Category 4
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 - Resp. Sens. 1: Respiratory sensitisation – Category 1
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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