

SAFETY DATA SHEET

Issuing Date 07-Aug-2013

Revision Date 14-Jan-2015

Revision Number 1

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code(s) 78.1001

Product Name BOWSTAR COMPAC SOLID DISHWASH DETERGENT

Contains

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

Recommended Use DISHWASH DETERGENT

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

GPP HYGIENE
BOWCARE HOUSE
STEPHENSON DRIVE, GLOUCESTER UK
TEL: +44 1452 883447

For further information, please contact

E-mail Address sales@gpphygiene.co.uk

1.4. Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC. 24 Hour Emergency Contact +1-800-255-3924

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Acute Oral Toxicity	Category 4
Acute Dermal Toxicity	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1
Carcinogenicity	Category 2

Physical Hazards

None

Classification according to EU Directives 67/548/EEC or 1999/45/EC

R-code(s) C;R35

For the full text of the R-phrases mentioned in this Section, see Section 16

2.2. Label Elements



Signal Word

Danger

Hazard Statements

H302 - Harmful if swallowed
 H312 - Harmful in contact with skin
 H314 - Causes severe skin burns and eye damage
 H351 - Suspected of causing cancer
 EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)

P260 - Do not breathe dust/ fume/ gas/ mist/ vapors/ spray
 P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
 P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 - Immediately call a POISON CENTER or doctor/ physician

Precautionary Statements

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
 P312 - Call a POISON CENTER or doctor/ physician if you feel unwell
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray
 P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
 P363 - Wash contaminated clothing before reuse
 P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
 P280 - Wear protective gloves/ protective clothing/ 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
 P201 - Obtain special instructions before use
 P310 - Immediately call a POISON CENTER or doctor/ physician
 P202 - Do not handle until all safety precautions have been read and understood
 P308 + P313 - IF exposed or concerned: Get medical advice/ attention
 P405 - Store locked up
 P264 - Wash face, hands and any exposed skin thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
 P330 - Rinse mouth
 P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other information

No information available.

Section 3. Composition/information on ingredients

3.1. Substances

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Trade Secret	Listed	-	> 30	C; R35	Skin Corr. 1A (H314)	No data available
Nitritotriacetic acid, trisodium salt monohydrate	-	18662-53-8	5-15	Xn; R22 Xi; R36 Carc.Cat.3; R40	Acute Tox. 4 (H302) Carc. 2 (H351) Eye Irrit. 2 (H319)	No data available
Sodium carbonate	Present	497-19-8	1-5	Xi;R36	Eye Irrit. 2 (H319)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

General Advice	Immediate medical attention is required. Immediately call a POISON CENTER or doctor/physician.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or Poison Control Center immediately.
Skin Contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or Poison Control Center immediately
Ingestion	Rinse mouth. Do NOT induce vomiting. Call a physician or Poison Control Center immediately.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing Call a physician or Poison Control Center immediately.

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

Most Important Symptoms/Effects Burn. Serious eye irritation or damage.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery.

6.2. Environmental precautions

Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

6.3. Methods and materials for containment and cleaning up

Stop leak if you can do it without risk

Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Do not take internally. Wash thoroughly after handling.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Keep out of the reach of children.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Trade Secret		STEL: 2 mg/m ³	TWA: 2 mg/m ³	STEL: 2 mg/m ³	
Component	Italy	Portugal	The Netherlands	Finland	Denmark
Trade Secret (> 30)		Ceiling: 2 mg/m ³		STEL: 2 mg/m ³ Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Trade Secret	STEL 4 mg/m ³ TWA: 2 mg/m ³	STEL: 2 mg/m ³ TWA: 2 mg/m ³	STEL: 1 mg/m ³ TWA: 0.5 mg/m ³	Ceiling: 2 mg/m ³	STEL: 2 mg/m ³

Derived No Effect Level No information available
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures	Showers, eyewash stations, and ventilation systems.
Personal protective equipment	
Eye Protection	Chemical splash goggles. Face-shield.
Skin and Body Protection	Rubber gloves
Hand Protection	Protective gloves.
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental Exposure Controls No information available.

Section 9. Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical State	No information available.	Appearance	No information available
Odor	No information available.		

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available.	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other information

VOC Content (%)	No information available
Flammability Limits in Air	No information available.

Section 10. Stability and reactivity
10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Incompatible products. Extreme heat.

10.5. Incompatible materials

Acids. Strong oxidizing agents. Aluminum. Soft metals. Do not mix with anything but water

10.6. Hazardous decomposition products

None known based on information supplied.

Section 11. Toxicological information

11.1.

Acute Toxicity

Product Information

Inhalation

None under normal use conditions

Eye Contact

Causes serious eye damage.

Skin Contact

Harmful in contact with skin. Causes severe skin burns.

Ingestion

Harmful if swallowed.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Trade Secret	-	1350 mg/kg (Rabbit)	-
Nitrilotriacetic acid, trisodium salt monohydrate	= 920 mg/kg (Rat)		> 5 mg/L (Rat) 4 h
Sodium carbonate	= 4090 mg/kg (Rat)		

Sensitization

No information available.

Mutagenic Effects

No information available.

Carcinogenic Effects

No information available.

Reproductive Toxicity

No information available.

Developmental Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Target Organ Effects

Eyes. Respiratory system. Skin.

Aspiration Hazard

No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Trade Secret		LC50 96 h: = 45.4 mg/L static (Oncorhynchus mykiss)		

Nitritotriacetic acid, trisodium salt monohydrate	EC50 96 h: 560 - 1000 mg/L (Chlorella vulgaris)	LC50 96 h: 93 - 170 mg/L flow-through (Pimephales promelas) LC50 96 h: 175 - 225 mg/L static (Lepomis macrochirus) LC50 96 h: = 252 mg/L (Lepomis macrochirus) LC50 96 h: = 470 mg/L static (Pimephales promelas) LC50 96 h: 560 - 1000 mg/L (Oryzias latipes) LC50 96 h: 560 - 1000 mg/L semi-static (Oryzias latipes) LC50 96 h: 72 - 133 mg/L static (Oncorhynchus mykiss) LC50 96 h: 560 - 1000 mg/L semi-static (Poecilia reticulata) LC50 96 h: 560 - 1000 mg/L (Poecilia reticulata) LC50 96 h: = 114 mg/L (Pimephales promelas)	LC50 48 h: 560 - 1000 mg/L (Daphnia magna)
Sodium carbonate	EC50 120 h: = 242 mg/L (Nitzschia)	LC50 96 h: = 300 mg/L static (Lepomis macrochirus) LC50 96 h: 310 - 1220 mg/L static (Pimephales promelas)	EC50 48 h: = 265 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential.

No information available.

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods**Waste from Residues / Unused Products**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	UN1759
14.2. Proper Shipping Name	Corrosive solid, n.o.s.
14.3. Hazard Class	8
14.4. Packing Group	II
Description	UN1759, Corrosive solid, n.o.s. (Sodium hydroxide), 8, II
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
EmS No.	F-A, S-B
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	UN1759
14.2. Proper Shipping Name	Corrosive solid, n.o.s.
14.3. Hazard Class	8
14.4. Packing Group	II
Description	UN1759, Corrosive solid, n.o.s. (Sodium hydroxide), 8, II
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	C10

ADR

14.1. UN-Number	UN1759
14.2. Proper Shipping Name	Corrosive solid, n.o.s.
14.3. Hazard Class	8
ADR/RID-Labels	8
14.4. Packing Group	II
Description	UN1759, Corrosive solid, n.o.s. (Sodium hydroxide), 8, II, (E)
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	C10
Tunnel Restriction Code	(E)

ICAO

14.1. UN-Number	UN1759
14.2. Proper shipping name	Corrosive solid, n.o.s.
14.3. Hazard Class	8
14.4. Packing Group	II
Description	UN1759, Corrosive solid, n.o.s., 8, II
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

IATA

14.1. UN-Number	UN1759
14.2. Proper Shipping Name	Corrosive solid, n.o.s.
14.3. Hazard Class	8
14.4. Packing Group	II
Description	UN1759, Corrosive solid, n.o.s. (Sodium hydroxide), 8, II
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
ERG Code	8L

Section 15. Regulatory information

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

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Not determined
ENCS	Not determined
IECSC	Not determined
AICS	Not determined
KECL	Not determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information**Full text of R-phrases referred to under Sections 2 and 3**

R22 - Harmful if swallowed
R35 - Causes severe burns
R36 - Irritating to eyes
R40 - Limited evidence of a carcinogenic effect

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H319 - Causes serious eye irritation
H351 - Suspected of causing cancer

Key literature references and sources for data

www.ChemADVISOR.com/

Issuing Date	07-Aug-2013
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Revision Note	New regional format.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

General Disclaimer

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End of Safety Data Sheet