

**SAFETY DATA SHEET**

Biological Laundry Powder C2/451

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

<b>1.1 Product Name</b>	Biological Laundry Powder C2/451		
<b>1.2 Other Names</b>	Biological Laundry Powder C2/451		
<b>SDS No</b>	C2/451	Rev Date:	11 <sup>th</sup> July 2014
		Rev No:	1
<b>1.3 Application</b>	<b>Laundry Powder</b>		
<b>1.4 Supplier</b>	Countrywide Healthcare, Countrywide House, Springvale Road, Park Springs, Grimethorpe, Barnsley, South Yorkshire S72 7BA PHONE 01226 719090 FAX 01226 719091		
<b>1.5 Emergency Contact Number</b>	01226 719090 (Office Hours)		

**SECTION 2. HAZARD IDENTIFICATION**

<b>Classification (1999/45/EEC)</b>	
<b>2.1 Classification</b>	Irritant
<b>2.2 Labelling</b>	 <b>IRRITANT</b>
<b>Risk Statements</b>	R36/38 – Irritating to eyes and skin
<b>Safety Statements</b>	S2 – Keep out of reach of children. S24/25 – Avoid contact with skin and eyes. S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 – After contact with skin, wash immediately with plenty of soap suds.
<b>2.3 Other Hazards</b>	

<b>Classification (EC1272/2008)</b>	
<b>2.1 Signal Word</b>	Danger
<b>2.1 Classification</b>	Physical: Not classified Health: Eye Dam. 1 – H318 Environmental Not classified
<b>Hazard Statements</b>	H318 – Causes serious eye damage

<b>Precautionary Statements</b>	P280 – Wear protective gloves/protective clothing/eye protection/face protection P305+351+338 –IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P310 – Immediately call POISON CENTER or doctor/physician					
<b>2.2 Labelling</b>						
	GHS05					
<b>2.3 Other Hazards</b>						

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture			
Product	EC (EINECS No.)	CAS-No.	%
Sodium Carbonate	207-838-8	497-19-8	<20
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified Health: Eye Irrit 2. – H319 Environmental: Not Classified.		Xi; R36	
Product	EC (EINECS No.)	CAS-No.	%
Sodium Metasilicate Pentahydrate	229-912-9	10213-79-3	<5
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Met. corr. 1 – H290 Health: Skin Corr. 1B – H314; Eye Dam. 1 – H318; STOT SE 3 – H335 Environmental: Not Classified.		C; R34 Xi; R37	
Product	EC (EINECS No.)	CAS-No.	%
Sodium Percarbonate	239-707-6	15630-89-4	5-10
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: OX. Sol. 2 – H272 Health: Acute Tox. 4 – H302; Eye Dam. 1 – H318 Environmental: Not Classified.		O; R8 Xn; R22 Xi; R41	
Product	EC (EINECS No.)	CAS-No.	%
Amylase	232-565-6	9000-90-2	<1%
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified Health: Resp. Sens. 1 – H334 Environmental: Not Classified.		R42	
Product	EC (EINECS No.)	CAS-No.	%
Lipase	232-619-9	9001-01-1	<1%
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified Health: Resp. Sens. 1 – H334 Environmental: Not Classified.		R42	
Product	EC (EINECS No.)	CAS-No.	%
Subtilisin	232-752-2	9014-01-1	<1%
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified Health: Skin Irrit. 2 – H315; Eye Dam. 1 – H318; Resp. Sens. 1 – H334; STOT SE 3 – H335		R42 Xi; R37/38, R41	

Environmental: Not Classified.			
Product	EC (EINECS No.)	CAS-No.	%
Sodium Dodecyl Benzene Sulphonate	246-680-4	25155-30-0	<3%
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified. Health: Acute Tox. 4 – H302, Eye Dam. 1 – H318, Skin Irrit. 2 – H315 Environmental: Not Classified.		Xn; R22 Xi; R38, R41	
Product	EC (EINECS No.)	CAS-No.	%
Parfum'	N/a	N/a	0.04
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified. Health: Skin. Sens. 1 – H317 Environmental: Chronic Cat 2 - H411		R43	

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

<u>4.1 Description of First Aid Measures</u>	
Inhalation	Move exposed person to fresh air. Get medical attention
Ingestion	Get medical advice immediately! Do Not Induce Vomiting! Immediately rinse mouth and drink plenty of water
Skin Contact	Remove contaminated clothing immediately and wash with soap and water. Get medical attention immediately
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove contact lenses if safe and easy to do so, open eyes wide apart. Get medical attention immediately. Continue to rinse.
<u>4.2 Most Important Symptoms and effects, both acute and delayed</u>	
General Information	Symptoms described are dependent upon the concentration and exposure time
Inhalation	Possible irritation of throat, nose & airway
Ingestion	Irritation, possible burns to throat mouth and stomach
Skin Contact	Irritation to skin
Eye Contact	Possible serious eye damage
<u>4.3 Indication of immediate medical attention and special treatment needed if necessary</u>	

#### SECTION 5. FIRE-FIGHTING MEASURES

<u>5.1 Suitable Extinguishing Media Use:</u>
The preparation is not readily flammable, use fire-extinguishing media suitable for surrounding materials
<u>5.2 Specific Hazard arising from the chemical</u>
When heated in the case of fire, harmful or toxic gases may be produced
<u>5.3 Special protective actions for fire fighters</u>
Self contained breathing apparatus and full protective clothing must be worn

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

<u>6.1 Personal Precautions, protective equipment and emergency procedures</u>
a. The wearing of suitable protective equipment (including personal protective equipment, see section 8 of this SDS) to prevent any contamination of skin, eyes and personal clothing.
b. Provide sufficient ventilation.
c. Follow precautions for safe handling described in section 7 of this SDS.
<u>6.2 Environmental Precautions</u>
Spillages of uncontrolled discharges into watercourses must be Immediately alerted to the Environmental Agency or other appropriate regulatory body, without endangering individuals every effort should be made to prevent entrance to drains.

**6.3 Methods and material for containment and clean up**

Drains should be Bunded or capped to prevent entrance or damage.  
 Ventilate well. Brush or vacuum up taking care not to create excessive dust. Place in suitable containers. Dilute area with copious amounts of water.

**SECTION 7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Avoid Spilling, skin and eye contact.  
 Do Not Smoke In Work Area! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.

**7.2 Conditions for safe Storage, including incompatibilities**

Keep containers tightly closed. Keep in original containers. Do not allow product to freeze, avoid extreme temperatures

**7.3 Specific end use(s)**

The identified use for this product is detailed in section 1.2.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

Name	STD	Long Term		Notes
Sodium Carbonate	DNELs	10mg/m3		
Sodium Metasilicate	DNELs	1.55mg/m3		Inhalation
	WEL	TWA – 8 Hrs	STEL – 15 Min	
SUBTILISIN		0,00004 mg/m3		

WEL= Workplace Exposure Limit

**8.2 Appropriate engineering controls**

Provide adequate ventilation

**8.3 Individual protection measures, such as personal protective equipment (PPE)**

<b>Respiratory Equipment</b>	If ventilation is in sufficient, suitable respiratory protection must be provided.
<b>Hand Protection</b>	PVC gloves are recommended.
<b>Eye Protection</b>	Wear approved safety goggles.
<b>Other Protection</b>	Wear rubber apron, wear rubber footwear.

Protective Equipment



**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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

<b>This Product is a</b>	Mixture		
<b>Appearance</b>	Granular Powder		
<b>Colour</b>	White with coloured speckles		
<b>Odour</b>	Pleasant		
<b>Solubility</b>	Soluble in water		
<b>pH value</b>	9.5-10	<b>Solubility</b>	Soluble in Water
<b>Relative Density</b>	1.1		

**9.2 Other information**

**SECTION 10. STABILITY AND REACTIVITY**

<u>10.1 Reactivity</u>
None known
<u>10.2 Chemical stability</u>
Stable under normal conditions and use.
<u>10.3 Possibility of hazardous reactions</u>
None known
<u>10.4 Conditions to avoid</u>
Avoid excessive heat for prolonged periods of time
<u>10.5 Incompatible materials</u>
<u>10.6 Hazardous decomposition products</u>
When heated toxic and corrosive vapours may be formed

## SECTION 11. TOXICOLOGICAL INFORMATION

<u>11.1 Information on toxicological effects</u>
Toxicological information We have not carried out any animal testing; therefore we have no toxicological data specifically for this product. The toxicological data, where provided by the raw material manufacture, can be made available on request.

## SECTION 12. ECOLOGICAL INFORMATION

<u>12.1 Toxicity</u>
We have not carried out any Aquatic testing; therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity data, where provided by the raw material manufacturer for the ingredients with aquatic toxicity can be provided on request
<u>12.2 Persistence and degradability</u>
Degradability: the surfactants used in this preparation are designed for disposal via normal foul water disposal methods
<u>12.3 Bioaccumulative potential</u>
This preparation does not contain any substance that is expected to be bioaccumulating
<u>12.4 Mobility in soil</u>
Not Known
<u>12.5 Results of PBT and vPvB</u>
This preparation does not contain and PBT or vPvB substances
<u>12.6 Other adverse effects</u>
Not Known

## SECTION 13. DISPOSAL CONSIDERATIONS

<u>13.1 Waste treatment methods</u>
The preparation is designed for disposal via foul drain after use. Large volumes to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local waste disposal authority. Clean used container and recycle.

## SECTION 14. TRANSPORT INFORMATION

Not Classified as hazardous for transport

## SECTION 15. REGULATORY INFORMATION

<u>15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture</u>
Guidance notes: Workplace Exposure Limits EH40
EU Legislation: Safety Data sheets prepared in accordance with REACH Commission Regulation (EU) No 453/2010 and CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of dangerous preparations. Ingredients are listed with classification under both CHIP – Directive 67/548/EEC and GHS / CLP – Regulation (EC) No 1272/2008 classification, ADR 2013
<u>15.2 Chemical Safety Assessment</u>
Not applicable this product is a mixture

## SECTION 16. OTHER INFORMATION

REV. No. REPL. SDS	1/0
Generated	11 <sup>th</sup> July 2014
SDS No.	C2/451
SDS Status	OK
Approved	Yes
Notes	This information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate and reliable as of date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.
Risk phrases in full	R8 – Contact with combustible materials may cause fire R22 – Harmful if swallowed R34 – Causes burns R36/R38 – Irritating to eyes and skin R37 – Irritating to respiratory system R38 – Irritating to skin R41 – Risk of serious damage to eyes R42 – May cause sensitisation by inhalation R43 – May cause sensitisation by skin contact
Hazard statements in full	H272 – May intensify fire H290 – May be corrosive to metals H302 – Harmful if swallowed H314 – Causes severe skin burns and eye damage 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
Supplementary P- Statements	
<b><u>END of SDS</u></b>	