SAFETY DATA SHEET

4 in 1 Dishwasher Powder

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

1.1 Product Name	4 in 1 Dishwasher Powder				
1.2 Other Names	4 in 1 Dishwasher Powder				
SDS No	C2/416-CLP	Rev Date:	31st July 2018	Rev No:	3
1.3 Application	**Catering cleaning**				
1.4 Supplier	Prime Industries Limited, Unit 2 Broughton Way, Halebank Industrial Estate, Widnes, WA8 8YX. PHONE 0151 423 0110 FAX 0151 423 0770 sales@primeindustries.co.uk				
1.5 Emergency Contact Number	0151 423 0110 (Hours of Operation – 06.00 to 18:00 Monday to Friday)				

SECTION 2. HAZARD IDENTIFICATION

Classification (EC1272/2008)	
2.1 Signal Word	Danger
2.1 Classification	Physical: Met. Corr. 1 – H290 Health: Skin Corr. 1b – H314, Eye Dam. 1 – H318 Environmental Not classified
Hazard Statements	H290 – May be corrosive to metals H214 – Causes severe skin burns and eye damage H318 – Causes serious eye damage
Precautionary Statements	P234 – Keep only in original containers P260 – Do not breath dust P264 – Wash hands thoroughly after handling P280 – Wear protective gloves, protective clothing, eye protection, face protection. P310 – Immediately call a poison centre or doctor / physician P305+351+338 – If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing
2.2 Labelling	 GHS05
2.3 Other Hazards	EHU 031 – Contact with acids liberates toxic gas

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture

Product	EC (EINECS No.	CAS-No.	%
Sodium Carbonate	207-838-8	497-19-8	>30
Classification (EC 1272/2008)			
Physical: Not Classified. Health: Eye Irrit 2 – H319. Environmental: Not Classified.			
Product	EC (EINECS No.	CAS-No.	%
Sodium Metasilicate Pentahydrate	229-912-9	10213-79-3	15-20
Classification (EC 1272/2008)			
Physical: Met. Corr. 1 H290. Health: Skin Corr. 1b – H314; Eye Dam. 1 – H318, STOT SE 3 – H335. Environmental: Not Classified.			
Product	EC (EINECS No.	CAS-No.	%
Sodium Hydroxide	215-185-5	1310-73-2	<1
Classification (EC 1272/2008)			
Physical: Met Corr. 1 – H290 Health: Skin Corr. 1A – H314. Environmental: Not Classified.			
Product	EC (EINECS No.	CAS-No.	%
Sodium Dichloroisocyanurate dehydrate	220-767-7	51580-86-0	<5
Classification (EC 1272/2008)			
Physical: Not Classified. Health: EUH031, Acute Tox. 4 – H302, Eye Irrit. 2 – H319, STOT SE 3 – H335. Environmental: Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410.			
Product	EC (EINECS No.	CAS-No.	%
Sodium Dodecyl Benzene Sulphonate (80%)	246-680-4	25155-30-0	<1
Classification (EC 1272/2008)			
Physical: Not Classified. Health: Acute Tox. 4 – H302, Eye Dam. 1 – H318, Skin Irrit. 2 – H315. Environmental: Not Classified.			

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	
Inhalation	Move exposed person to fresh air. Get medical attention if discomfort persists
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 if discomfort persists.
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.
4.2 Most Important Symptoms and effects, both acute and delayed	
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, possible chemical burns to skin
Eye Contact	Possible serious eye damage
4.3 Indication of immediate medical attention and special treatment needed if necessary	

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media Use:

The preparation is not readily flammable, use fire-extinguishing media suitable for surrounding materials

5.2 Specific Hazard arising from the chemical

When heated in the case of fire, harmful or toxic gases may be produced

5.3 Special protective actions for fire fighters

Self contained breathing apparatus and full protective clothing must be worn

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures

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.

6.2 Environmental Precautions

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. Dilute with copious amounts of water. Collect with absorbent, non-combustible material into suitable containers. Flush area with plenty of water.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid Spilling, skin and eye contact. Keep away from heat, sparks and open flames. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented
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

Corrosive storage; Keep containers tightly closed. Keep in original containers. 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	Consumer		Industry		Notes
Sodium Metasilicate Pentahydrate	DNEL	Long Term	1.55mg/m3	Long Term	6.22mg/m3	Inhalation
		Long Term	0.74mg/kg/dav	Long Term	1.49mg/kg/dav	Dermal
		Long Term	0.74mg/kg/dav			Oral
Sodium carbonate	DNEL			Long Term	10mg/m3	Inhalation

DNEL= Derived No Effect Level

Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
Sodium Hydroxide	WEL				2	
Sodium Dichloroisocyanurate Dihydrate	WEL			0,5ppm	1.5mg/m3	

WEL= Workplace Exposure Limit

8.2 Appropriate engineering controls

Provide adequate ventilation

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

Respiratory Equipment	If ventilation is in sufficient, suitable respiratory protection must be provided.
Hand Protection	Ware PVC or rubber gloves.
Eye Protection	Ware approved safety goggles.
Other Protection	Rubber apron & rubber footwear recommended.

Protective Equipment

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties			
This Product is a	Mixture		
Appearance	Powder		
Colour	White with blue speckles		
Odour	Low		
Solubility	Soluble in water		
pH value	10-11	**Boiling Point (°C)**	>100
Relative Density	1		
9.2 Other information			

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
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**.**

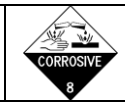
SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity
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
12.2 Persistence and degradability
Degradability: the surfactants used in this preparation are designed for disposal via normal foul water disposal methods
12.3 Bioaccumulative potential
This preparation does not contain any substance that is expected to be bioaccumlating
12.4 Mobility in soil
Soluble in water
12.5 Results of PBT and vPvB
This preparation does not contain and PBT or vPvB substances
12.6 Other adverse effects
Not Known

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
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

ADR	IMDG	ICAO
14.1 UN Number		
1759	1759	1759
14.2 UN Proper shipping name		
Corrosive solid, N.O.S.	Corrosive solid, N.O.S.	Corrosive solid, N.O.S.
14.3 Transport hazard Class (es)		
Class 8	Class 8	Class 8
Label 		
14.4 Packing Group		
III	III	III
14.5 Environmental hazards		
No	No	No
14.6 Special precautions for user (Tunnel Restriction) EAC, HIN, EMS		
(E) 2X, 80, F-A S-B		
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		
Not relevant for this product		

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture
Guidance notes: Workplace Exposure Limits EH40
EU Legislation: Safety Data sheets prepared in accordance with REACH Commission Regulation (EU) No 453/2010 Packaging & Labelling of dangerous preparations. Ingredients are listed with classification under GHS / CLP – Regulation (EC) No 1272/2008 classification, ADR 2017
15.2 Chemical Safety Assessment
Not applicable this product is a mixture

SECTION 16. OTHER INFORMATION

REV. No. REPL. SDS	3/2
Generated	31st July replaces v2 31st March 2015
SDS No.	C2/416-CLP
SDS Status	Ok
Approved	14th April 2015
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.
Hazard statements in full	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 H335 – May cause respiratory irritation H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects
Supplementary P- Statements	P301+330+331 – IF SWALLOWED: rinse mouth, Do Not induce vomiting P303+361+353 – IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower P304+340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P363 – Wash contaminated clothing before reuse P390 – Absorb spillage to prevent material damage

	P405 – Store locked up
EUH Statements	EHU 031 – Contact with acids liberates toxic gas
END of SDS	