





### SAFETY DATA SHEET

Alkali Boost Powder

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

<b>1.1 Product Name</b>	Alkali Boost Powder				
<b>1.2 Other Names</b>	Alkali Boost Powder				
<b>SDS No</b>	C2/324-CLP	<b>Rev Date:</b>	6 <sup>th</sup> March 2018	<b>Rev No:</b>	2
<b>1.3 Application</b>	<b>Commercial Laundry Application</b>				
<b>1.4 Supplier</b>	Prime Industries Limited, Unit 2 Broughton Way, Halebank Industrial Estate, Widnes, WA8 8YX. PHONE 0151 423 0110 FAX 0151 423 0770 <a href="mailto:sales@primeindustries.co.uk">sales@primeindustries.co.uk</a>				
<b>1.5 Emergency Contact Number</b>	0151 423 0110 (Hours of Operation – 06.00 to 18:00 Monday to Friday)				

#### SECTION 2. HAZARD IDENTIFICATION

<b>Classification (EC1272/2008)</b>						
<b>2.1 Signal Word</b>	Danger					
<b>2.1 Classification</b>	Physical: Met. Corr.1 – H290 Health: Skin corr. 1b – H314; Eye Dam. 1- H318; STOT-SE 3- H335 Environmental Not classified					
<b>Hazard Statements</b>	H290 – May be corrosive to metals H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H335 – May cause respiratory irritation					
<b>Precautionary Statements</b>	P102 – Keep out of reach of children. P261 – Avoid breathing dust/fume/gas/mist/vapours/spray. P264 – Wash Hands thoroughly after handling. 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.					
<b>2.2 Labelling</b>						
	GHS05	GHS07				
<b>2.3 Other Hazards</b>	None					

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

## 3.2 Mixture

Product	EC (EINECS No.)	CAS-No.	%
Sodium Metasilicate Pentahydrate	229-912-9	10213-79-3	30-50
Classification (EC 1272/2008)			
Physical: Met. Corr. 1 – H290 Health: Skin corr. 1B – H314, Eye dam. 1 – H318, STOT SE3 – H335. Environmental: Not Classified.			
Product	EC (EINECS No.)	CAS-No.	%
Sodium Carbonate	207-838-8	497-19-8	10-20
Classification (EC 1272/2008)			
Physical: Not Classified. Health: Eye Irrit. 2 – H319. Environmental: Not Classified.			
Product	EC (EINECS No.)	CAS-No.	%
Sodium Hydroxide	215-185-5	1310-73-2	5-10
Classification (EC 1272/2008)			
Physical: Met. Corr. 1 – H290. Health: Skin corr. 1A – H314. 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
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.

## 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

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## 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. Follow precautions for safe handling described in section 7 of this SDS.
<b>6.2 Environmental Precautions</b>
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.
<b>6.3 Methods and material for containment and clean up</b>
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**

<b>7.1 Precautions for safe handling</b>
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.
<b>7.2 Conditions for safe Storage, including incompatibilities</b>
Corrosive storage, Keep containers tightly closed. Keep in original containers. Do not allow product to freeze, avoid extreme temperatures
<b>7.3 Specific end use(s)</b>
The identified use for this product is detailed in section 1.2.

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

<b>8.1 Control parameters</b>						
Name	STD	Consumer		Industry		Notes
Sodium Carbonate	DNEL			Long Term	10mg/m3	Inhalation
Sodium Metasilicate	DNEL	Long Term	0.74mg/kg/day	Long Term	1.49mg/kg/day	Dermal
		Long Term	1.55mg/m3	Long Term	6.22mg/m3	Inhalation
Sodium Hydroxide	DNEL	Long Term	1mg/m3			Inhalation
DNEL= Derived No Effect Level						
<b>8.1 Control parameters</b>						
Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
Sodium Hydroxide	WEL				2	
WEL= Workplace Exposure Limit						
<b>8.2 Appropriate engineering controls</b>						
Provide adequate ventilation						
<b>8.3 Individual protection measures, such as personal protective equipment (PPE)</b>						
<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 suitable protective clothing to prevent contact with skin					

Protective Equipment



**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>9.1 Information on basic physical and chemical properties</b>	
<b>This Product is a</b>	Mixture

<b>Appearance</b>	Granular powder		
<b>Colour</b>	White		
<b>Odour</b>	Low		
<b>Solubility</b>	Soluble in water		
<b>pH value</b>	>12		
<b>Relative Density</b>	1.2 – 1.3		
<u>9.2 Other information</u>			

## SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Reaction with acids, reaction with water

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Heat is generated in contact with water

10.4 Conditions to avoid

Avoid excessive heat for prolonged periods of time. Do Not allow to freeze

10.5 Incompatible materials

Strong acids, strong oxidising substances

10.6 Hazardous decomposition products

When heated toxic and corrosive vapours and gasses may be produced

## 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 bioaccumulating

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
<u>14.1 UN Number</u>		
1759	1759	1759
<u>Corrosive Solid N.O.S.</u>		
<u>This Mixture Contains</u>		
Corrosive Solid N.O.S.		
Sodium Metasilicate Pentahydrate Sodium Hydroxide		
<u>14.3 Transport hazard Class (es)</u>		
class 8		
class 8		
class 8		
<u>Label</u>		
<u>14.4 Packing Group</u>		
III		
<u>14.5 Environmental hazards</u>		
No		
<u>14.6 Special precautions for user (Tunnel Restriction) EAC, HIN, EMS</u>		
(E) 2X, 80, F-A S-B		
<u>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</u>		
Not relevant for this product		

## 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 Packaging & Labelling of dangerous preparations. Ingredients are listed with classification under 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	2/1
Generated	6 <sup>th</sup> March 2018 replaces v1 29 <sup>th</sup> June 2015
SDS No.	C2/324-CLP
SDS Status	Ok
Approved	6 <sup>th</sup> March 2018
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. H314 – Causes severe skin burns and eye damage. H319 – Causes serious eye irritation. H335 – May cause respiratory irritation.
Supplementary P- Statements	P234 – Keep only in original container. P260 – Do not breathe dust/fume/gas/mist/vapours/spray. P310 – Immediately call a POISON CENTER or doctor/physician. P363 – Wash contaminated clothing before reuse. P390 – Absorb spillage to prevent material damage. P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 – Store locked up. P406 – Store in corrosive resistant/... container with a resistant inner liner. P501 – Dispose of contents/container to local authority
EUH Statements	None
<b>END of SDS</b>	