



### SAFETY DATA SHEET


#### Power Klenze Powder

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

<b>1.1 Product Name</b>	F34 Power Klenze Powder				
<b>1.2 Other Names</b>	Caustic Free Decarbonising Powder				
<b>SDS No</b>	C2/569a	<b>Rev Date:</b>	24 <sup>th</sup> June 2015	<b>Rev No:</b>	1
<b>1.3 Application</b>	<b>Catering</b>				
<b>1.4 Supplier</b>	Paragon Products UK Ltd Newhailes Industrial Estate, Musselburgh East Lothian, United Kingdom. EH21 6SY <b>Tel:</b> +44 (0) 131 653 2222. <b>Fax:</b> +44 (0) 131 653 2272 <b>E: Mail.</b> sales@paragongroup.co.uk				
<b>1.5 Emergency Contact Number</b>	0131 653 2222				

#### SECTION 2. HAZARD IDENTIFICATION

#### Classification (EC1272/2008)

<b>2.1 Signal Word</b>	Danger				
<b>2.1 Classification</b>	Physical: Not classified Health: Skin corr. 1b – H314; Eye Dam. 1- H318 Environmental Not classified				
<b>Hazard Statements</b>	H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage				
<b>Precautionary Statements</b>	P102 – Keep out of reach of children. P260 – Do not breathe dust. 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				
<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	5-10
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	15-30
Classification (EC 1272/2008)			
Physical: Not Classified. Health: Eye Irrit. 2 – H319. Environmental: Not Classified.			
Product	EC (EINECS No.)	CAS-No.	%
SODIUM DODECYL BENZENE SULPHONATE	246-680-4	25155-30-0	<5
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 irritation 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 irritation 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

<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

## 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.

## 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. 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. 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	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

DNEL= Derived No Effect Level

## 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 suitable protective clothing to prevent contact with skin

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
<b>Odour</b>	Low
<b>Solubility</b>	Soluble in water
<b>pH value</b>	>11

<b>Relative Density</b>	1.0-1.2		
<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

This product is not classified as hazardous for transport, as per IATA, ADR & IMDG.

## 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	23 <sup>rd</sup> June 2015
SDS No.	C2/569
SDS Status	Ok
Approved	23 <sup>rd</sup> June 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 metal H302 – Harmful if swallowed. H315 – Causes skin irritation. H318 – Causes serious eye damage. H319 – Causes serious eye irritation. H335 – May cause respiratory irritation.
Supplementary P- Statements	P310 – Immediately call a POISON CENTER or doctor/physician. P363 – Wash contaminated clothing before reuse. 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. P501 – Dispose of contents/container to local authority
EUH Statements	None

**END of SDS**