

**SAFETY DATA SHEET**


**K14 Dishwash Presoak Powder**

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

<b>1.1 Product Name</b>	K14 Dishwash Presoak Powder		
<b>1.2 Other Names</b>	K14 Dishwash Presoak Powder		
<b>SDS No</b>	CLEPRESOAK	Rev Date:	23 <sup>rd</sup> June 2022
		Rev No:	6
<b>1.3 Application</b>	Catering cleaning		
<b>1.4 Supplier</b>	<b>TMH Solutions</b> <b>Unit 2 Bilberry Business Park Waterford</b> <b>Waterford City</b> <b>X91 WY48</b> <b>Ireland</b>  <a href="mailto:info@tmhsolutions.ie">info@tmhsolutions.ie</a>		
<b>1.5 Emergency Contact Number</b>	(00353) 51 87 1000 (Hours of Operation – 06.00 to 17:00 Monday to Friday)		

**SECTION 2. HAZARD IDENTIFICATION**

**Classification (EC1272/2008)**

<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 Environmental Not classified				
<b>Hazard Statements</b>	H290 – May be corrosive to metals H214 – Causes severe skin burns and eye damage H318 – Causes serious eye damage				
<b>Precautionary Statements</b>	P234 – Keep only in original containers P260 – Do not breathe 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				
<b>2.2 Labelling</b>					
	GHS05				
<b>2.3 Other Hazards</b>	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)

<b>Respiratory Equipment</b>	If ventilation is in sufficient, suitable respiratory protection must be provided.
<b>Hand Protection</b>	Ware PVC or rubber gloves.
<b>Eye Protection</b>	Ware approved safety goggles.

<b>Other Protection</b>	Rubber apron & rubber footwear recommended.
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Protective Equipment



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

## 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>
Strong acids, strong oxidising substances
<u>10.6 Hazardous decomposition products</u>
When heated, toxic and corrosive vapours / gasses 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>
Soluble in water
<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

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>14.2 UN Proper shipping name</u>		
Corrosive solid, N.O.S.	Corrosive solid, N.O.S.	Corrosive solid, N.O.S.
<u>14.3 Transport hazard Class (es)</u>		
Class 8	Class 8	Class 8
<u>Label</u>		
<u>14.4 Packing Group</u>		
III	III	III
<u>14.5 Environmental hazards</u>		
No	No	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

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	6/5
Generated	23 <sup>rd</sup> June 2022Replaces V/5 17 <sup>th</sup> June 2021
SDS No.	0007
SDS Status	Ok
Approved	14 <sup>th</sup> 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
<b>END of SDS</b>	

**\*\*SAFETY DATA SHEET\*\***