



Merton Group
Cleaning and hygiene products that don't cost the earth

THE ECOPOWDER SYSTEM

SAFETY DATA SHEET



0730 – Dishwasher Cleaner Descaler Powder

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

1.1 Product Name	0730 – Dishwasher Cleaner Descaler Powder 9kg				
1.2 Other Names	Dishwasher Cleaner Descaler Powder				
SDS No	C2/508	Rev Date:	17 th June 2015	Rev No:	2
1.3 Application	Catering				
1.4 Supplier	Merton Group UK Ltd Unit 9 Foxholes Road off Golf Course Lane Leicester LE3 1TH Tel 0116 231 4040 headoffice@mertongroup.co.uk				
1.5 Emergency Contact Number	0116 231 4040 (Hours of Operation – 09.00 to 17.00 Monday to Friday)				

SECTION 2. HAZARD IDENTIFICATION

Classification (EC1272/2008)

2.1 Signal Word	Danger				
2.1 Classification	Physical: Not Classified. Health: Skin Irrit - 2 – H315; Eye Dam. 1 – H318; STOT SE 3 – H335 Environmental: Not Classified.				
Hazard Statements	H314 – Causes skin irritation H318 – Causes serious eye damage H335 – May cause respiratory irritation				
Precautionary Statements	P102 – Keep out of reach of children P260 – Do not breathe dust P264 – Wash hand thoroughly after handling 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				
2.2 Labelling					
	GHS05	GHS07			
2.3 Other Hazards	None				

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture

Product	EC (EINECS No.)	CAS-No.	%
Sodium Carbonate	207-838-8	497-19-8	50-100
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	5-10

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.	%
Pentasodium Triphosphate	231-838-7	7758-29-4	<20

Classification (EC 1272/2008)

Physical: Not Classified.
 Health: Not Classified.
 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

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

- 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.
- Provide sufficient ventilation.
- 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. 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	

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	PVC gloves are recommended.
Eye Protection	Wear approved safety goggles.
Other Protection	Wear suitable protective clothing to prevent skin contact. Dust mask is advised when handling.

Protective Equipment



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

This Product is a	Mixture
Appearance	Granular Powder
Colour	White
Odour	Low
Solubility	Soluble in water
pH value	10-11 @ 1% Solution
Relative Density	1.01

9.2 Other information

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

None known

10.2 Chemical stability

Stable under normal temperatures 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 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 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

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 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

15.2 Chemical Safety Assessment

Not applicable this product is a mixture

SECTION 16. OTHER INFORMATION

REV. No. REPL. SDS	1/0
Generated	17 th April 2015
SDS No.	C2/508
SDS Status	OK
Approved	17 th 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 H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H319 – Causes serious eye irritation H335 – May cause respiratory
Supplementary P- Statements	P301+330+311 – IF SWALLOWED: Rinse mouth, call POISON CENTER or doctor/physician 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 P312 – Immediately call POISON CENTER or doctor/physician if you feel un well P363 – Wash contaminated clothing before reuse
EUH Statements	None
<u>END of SDS</u>	