



# Merton Group UK Ltd

*Cleaning and Hygiene Products That Don't Cost the Earth*

## ENVODOSE

### HEALTH AND SAFETY DATA SHEET

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

**Product name** Envodose Sanitiser Foodsafe

**Part No** 06045

**Supplier** Merton Group UK Limited  
Merton Business Park  
Foxholes Road  
Leicester  
LE3 1TH

Tel: 0116 231 4040  
Fax: 0116 287 4756

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Detergent. Cleaning agent.

#### 2. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification (1999/45/EEC) Xi; R41  
N; R50

Human health Splashes may cause serious eye damage. Prolonged skin contact may cause redness, irritation and dry skin. Dust may irritate throat and respiratory system and cause coughing.

Environment The product contains a substance which is very toxic to aquatic organisms.







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### 2. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE (continued)

#### 2.2 Label elements

Labelling		
	Irritant	Dangerous for the environment
Risk Phrases	R41 R50	Risk of serious damage to eyes Very toxic to aquatic organisms
Safety Phrases	S2 S23 S26  S39 S46  S61	Keep out of the reach of children Do not breathe vapour / spray In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Wear eye/face protection If swallowed, seek medical advice immediately and show this container or label Avoid release to the environment. Refer to special instructions/safety data sheets.

#### 2.3 Other hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

SODIUM CARBONATE CAS No 497-19-8	EC No 207-838-8	10 – 30%
Classification (EC 1272/2008) Eye Irrit 2 – H319		Classification (67/548/EEC) Xi; R36
Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides CAS No 85409-22-9	EC No 287-089-1	1 – 5%
Classification (EC 1272/2008) Acute Tox 4 – H302 Skin Corr 1B – H 314 Aquatic Acute 1 – H400		Classification (67/548/EEC) Xn: R22 C; R34 N; R50
ALCOHOL ETHOXYLATE CAS No 157627-86-6	EC No	1 – 5%
Classification (EC 1272/2008) Acute Tox 4 – H302 Eye Dam 1 – H318 Aquatic Acute 1 – H400		Classification (67/548/EEC) Xn; R22 Xi; R41 N; R50





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### 3. COMPOSITION/INFORMATION ON INGREDIENTS (continued)

1-HYDROXYETHYLIDENE-1, 1-DIPHOSPHONATE CAS No 3794-83-0	EC No 223-267-7	1 – 5%
Classification (EC 1272/2008) Eye Dam 1 – H318		Classification (67/548/EEC) Xi; R41
1-PROPANE, 3-AMINO-N,N,N-TRIMETHYL-, N-(ETHOXYLATED CASTER OIL ACYL) DERVIS Me SULFATE (6EO + 10.7 EO) CAS No 784144-40-7	EC No 630-545-5	0.1 – 1%
Classification (EC 1272/2008) Acute Tox 4 – H302 Eye Dam 1 – H318		Classification (67/548/EEC) Xn; R22 Xi: R41

The full text for all R-Phrases and Hazard Statements are displayed in section 16.

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

General information	If medical attention is required present a copy of this datasheet to the physician
Inhalation	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues
Ingestion	DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Do not give victim anything to drink if he is unconscious. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available.
Skin contact	Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 4.2 Most important symptoms and effects, both acute and delayed

Inhalation	No specific symptoms noted
Ingestion	May cause discomfort if swallowed
Skin contact	Prolonged skin contact may cause redness and irritation





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### 4. FIRST AID MEASURES (continued)

Eye contact

May cause blurred vision and serious eye damage. Irritation and redness followed by blurred vision.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

### 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

Extinguishing media

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

None under normal conditions. During fire, toxic gases (CO, CO<sub>2</sub>) are formed

Unusual fire and explosion hazards

No unusual fire or explosion hazards noted

#### 5.3 Advice for firefighters

Special firefighting procedures

Use water to keep fire exposed containers cool and disperse vapours.

Protective equipment for firefighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedure

Avoid contact with skin and eyes. Use protective gloves, goggles and suitable protective clothing. Avoid inhalation of dust.

#### 6.2 Environmental precautions

Avoid release to the environment.

#### 6.3 Methods and material for containment and cleaning up

GENERAL. Inform authorities if large amounts are involved. Wash thoroughly after dealing with a spillage. Shovel into dry containers. Cover and move the containers. Flush the area with water.





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### 6. ACCIDENTAL RELEASE MEASURES (continued)

6.3 Reference to other sections

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Class.

Chemical storage




#### 7.3 Specific end use(s)

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### 8.1 Control parameters

Envodose Sanitiser Foodsafe SODIUM CARBONATE (CAS 497-19-8)				
DNEL				
Industry	Inhalation	Long Term	10	mg/m <sup>3</sup>

#### 8.2 Exposure controls

	  
Protective equipment	
Engineering measures	Provide adequate general and local exhaust ventilation
Respiratory equipment	No specific recommendation made but protection against nuisance dust must be used when the general level exceeds 10mg/m <sup>3</sup>
Hand protection	Protective gloves should be used if there is a risk of direct contact or splash





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### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued)

Eye protection reasonably probable.	Wear approved chemical safety goggles where eye exposure is reasonably probable.
Other protection	Provide eyewash station. Wear appropriate clothing to prevent reasonably probably skin contact. Wear dust masks in dusty areas.
Hygiene measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Appearance	Powder, dust
Colour	Orange
Odour	No characteristic odour
Solubility	Soluble in water

#### 9.2 Other information

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

No specific reactivity hazards associated with this product

#### 10.2 Chemical stability

No particular stability concerns

#### 10.3 Possibility of hazardous reactions

#### 10.4 Conditions to avoid

Avoid contact with oxidisers or reducing agents

#### 10.5 Incompatible materials

Materials to avoid                      Strong acids

#### 10.6 Hazardous decomposition products

None under normal conditions. During fire toxic gases (CO, CO<sub>2</sub>) are formed.







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### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Toxicological information	No information available
Inhalation	Dust may irritate respiratory systems or lungs
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting
Skin contact	Prolonged or repeated exposure may cause severe irritation
Eye contact	Risk of serious damage to eyes. May cause severe irritation to eyes. Particles in the eyes may cause irritation and smarting.

### 12. ECOLOGICAL INFORMATION

Ecotoxicity	The product contains a substance which is very toxic to aquatic organisms.
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#### 12.1 Toxicity

Acute fish toxicity  
Very toxic to aquatic organisms.

#### 12.2 Persistence and degradability

Degradability	The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
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#### 12.3 Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation
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#### 12.4 Mobility in soil

Mobility	The product is soluble in water
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#### 12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances

#### 12.6 Other adverse effects





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### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

No specific disposal method required. Dispose of waste and residues in accordance with local authority requirements.

### 14. TRANSPORT INFORMATION

#### 14.1 UN number

UN No (ADR/RID/ADN) 3077

UN No (IMDG) 3077

#### 14.2 UN proper shipping name

Proper shipping name Environmentally Hazardous Substance, Solid nos

#### 14.3 Transport hazard class(es)

ADR/RID/ADN class Class 9 : Miscellaneous dangerous substances and articles

IMDG class 9

Transport labels



#### 14.4 Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

#### 14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



#### 14.6 Special precautions for user

EMS F-A, S-F

Tunnel Restriction Code (E)

#### 14.7 Transport in bulk according to Annex II or MARPOL73/79 and the IBC Code







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### 15. REGULATORY INFORMATION

Statutory Instruments

Control of Substances Hazardous to Health

Approved Code of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108)

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2009 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packing of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716). Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 ("CDG 2009"), SI 2009 No 1348.

#### 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

### 16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

RID Regulation Concerning the International Transport of Dangerous Goods by Rail

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG International Maritime Code for Dangerous Goods

GHS Globally Harmonized System of Classification and Labelling of Chemicals





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### 16. OTHER INFORMATION (continued)

EINECS	European Inventory of Existing Commercial Chemical Substances
CAS	Chemical Abstract Service
DNEL	Derived No-Effect Level
PNEC	Predicted No-Effect Concentration
LD50	Lethal dose – 50 percent
LC50	Lethal concentration – 50 percent
WEL	Workplace Exposure Limit
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative

This safety data sheet has been compiled for the product as supplied, properties and hazards will vary if the product is diluted with water or mixed with any other material.

#### Revision Comments

The information contained herein is based on known available data believed to be reliable but does not constitute the users own assessment of the work place risk as required by other Health and Safety Legislation.

Revision date	8 July 2014
Revision	1
Safety Data Sheet Status	Approved
Risk Phrases in Full	R34 Causes burns R22 Harmful if swallowed R36 Irritating to eyes R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms





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### 16. OTHER INFORMATION (continued)

Hazard Statements in Full	H318	Causes serious eye damage
	H319	Causes serious eye irritation
	H314	Causes severe skin burns and eye damage
	H302	Harmful if swallowed
	H400	Very toxic to aquatic life

#### Disclaimer

This information relates only to the specific material designated 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 believe, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made 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.

