

HEALTH AND SAFETY DATA SHEET

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

Product name Envodose Tabs Multipurpose Cleaner

Part No 06042

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

Tel: 0116 231 4040

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1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses Detergent. Cleaning agent

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (1999/45/EEC) Xi; R36/38

Human health

the product is irritating to eyes and skin. Prolonged skin contact may cause redness, irritation and dry skin. Dust may irritate throat and respiratory system and cause coughing. The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

2.2 Label elements

Labelling



Irritant

2. HAZARDS IDENTIFICATION (continued)

Risk Phrases

R36/38 Irritating to eyes and skin

Safety Phrases

S2 Keep out of the reach of children
S23 Do not breathe vapour/spray
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 After contact with skin, wash immediately with plenty of water

2.3 Other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

SODIUM CARBONATE CAS-No 497-19-8	EC No 207-838-8	Reg No 01-2119485498-19-xxxx	10 - 30%
Classification (EC 1272/2008) Eye irrit 2 – H319		Classification (67/548/EEC) Xi; R36	
DISODIUM METASILICATE CAS-No 6834-92-0	EC No 229-912-9	Reg No 01-2119449811-37-xxxx	1 – 5%
Classification (EC 1272/2008) Met Corr 1 – H290 Skin Corr 1B – H314 STOT SE 3 – H335		Classification (67/548/EEC) C; R34 XI; R37	
SODIUM XYLENE SULPHONATE CAS-No 1300-72-7	EC No 215-090-9	Reg No 01-2119513350-56-0001	1 – 5%
Classification (EC 1272/2008) Eye Irrit 2 – H319		Classification (67/548/EEC) Xi; R36	
ALCOHOL ETHOXYLATE CAS-No 68439-46-3	EC No		1 - 5%
Classification (EC 1272/2008) Acute Tox 4 – H302 Eye Dam 1 – H318		Classification (67/548/EEC) Xn; R22 Xi; R41	
SODIUM LAURYL SULPHATE CAS-No 68955-19-1	EC No		1 - 5%
Classification (EC 1272/2008) Skin Irrit 2 – H315 Eye Dam 1 – H318		Classification (67/548/EEC) Xi; R38,R41	

3. COMPOSITION/INFORMATION ON INGREDIENTS (continued)

d-LIMONENE CAS-No 5989-27-5	EC No 227-813-5	0.1 – 1%
Classification (EC 1272/2008) Flam Liq 3 – H226 Skin Irrit 2 – H315 Skin Sens 1 – H317 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410	Classification (67/548/EEC) R10 R43 Xi; R38 N; R50/53	

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 milk 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 Irritation of nose, throat and airway. No specific symptoms noted.

Ingestion May cause discomfort if swallowed

4. FIRST AID MEASURES (continued)

Skin contact	Skin irritation. Allergic rash.
Eye contact	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, CO₂) are formed

Unusual Fire & Explosion Hazards No unusual fire or explosion hazards noted.

5.3 Advice for firefighters

Special fire fighting procedures Use water to keep fire exposed containers cool and disperse vapours

Protective equipment for fire-fighters Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

6.2 Personal precautions, protective equipment and emergency procedures

Avoid any contact with the 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.

6.4 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

Ingredient comments

No exposure limits noted for ingredient(s)

Envodose Multipurpose				
SODIUM CARBONATE (CAS 497-19-8)				
DNEL				
Industry	Inhalation	Long Term	10	mg/m ³
SODIUM XYLENE SULPHONATE (CAS 1300-72-7)				
DNEL				
Industry	Dermal	Long Term	Systemic Effects	7.6 mg/kg/day
Industry	Inhalation	Long Term	Systemic Effects	53.6 mg/m ³
Consumer	Oral	Long Term	Systemic Effects	3.8 mg/kg/day
Consumer	Dermal	Long Term	Systemic Effects	3.8 mg/kg/day
PNEC				
STP	100	mg/l		

8.2 Exposure controls

Protective equipment

Engineering measures



Provide adequate general and local exhaust ventilation

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued)

Respiratory equipment	No specific recommendation made but protection against nuisance dust must be used when the general level exceeds 10mg/m ³ .
Hand protection	Protective gloves should be used if there is a risk of direct contact or splash.
Eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.
Other protection	Provide eyewash station. Wear appropriate clothing to prevent reasonably probable 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	Blue
Odour	Citrus
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. STABILITY AND REACTIVITY (continued)

10.5 Incompatible materials

Materials to avoid Strong acids.

10.6 Hazardous decomposition products

None under normal conditions. During fire, toxic gases (CO, CO₂) are formed.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information No information available.

Inhalation Dust may irritate respiratory system or lungs.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Irritating to skin. Acts as a defatting agent on skin. May cause cracking of skin and eczema.

Eye contact Irritating to eyes. Particles in the eyes may cause irritation and smarting.

12. ECOLOGICAL INFORMATION

Ecotoxicity Not regarded as dangerous for the environment.

12.1 Toxicity

Acute Fish Toxicity Not considered toxic to fish.

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 the direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4 Mobility in soil

Mobility The product is soluble in water.

12. ECOLOGICAL INFORMATION (continued)

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

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

General	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)
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Road Transport Notes	Not classified
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Sea Transport Notes	Not classified.
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14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

Transport labels	No transport warning sign required.
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14.4 Packing group

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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 1272/2008 of the European Parliament and of the council of 16 December 2008 on classification, labelling and packaging 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
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

16. OTHER INFORMATION

Risk Phrases in Full

R34	Causes burns
R10	Flammable
R22	Harmful if swallowed
R36/38	Irritating to eyes and skin
R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
R43	May cause sensitisation by skin contact
R41	Risk of serious damage to eyes
R50/53	Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Hazard Statements in Full

H318	Causes serious eye damage
H319	Causes serious eye irritation
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H290	May be corrosive to metals
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H410	Very toxic to aquatic life with long lasting effects
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 belief, 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.