

SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: ACIDIFYING SE TABLETS
- Product Part Number: 778868

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

- Use of the substance/mixture: Reagent for water analysis

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Wilhelmsen Ships Service AS
- Address of Supplier: Willem Barentzstraat 50, 3165AB Rotterdam, The Netherlands
- Telephone: +31 4877 777 Fax: +31 4877 888
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- Head office: Wilhelmsen Ships Service AS
- Strandveien 20, N1324 Lysaker
- Norway, Tel: (47) 6349 440 35
-
- Other suppliers SEE SECTION 16!!!
- For quotations contact your local Customer Services
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- Responsible Person: Product HSE Manager,
- Email: Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Telephone: Tel.: +31 10 4877775

1.4 Emergency telephone number

- ****ONLY TO BE USED IN CASE OF AN INCIDENT****
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- International 24hrs Emergency NCEC: + 44 1865 407333
- American Chemistry Council 24hrs +1 703 527 3887
- American 24hrs Emergency CHEMTREC (800) 424 9300
- Greece: Poisoning emergency center, +30 210 7793777
- Norway: Poison information centre, +47 22591300
- Sweden: Poison information centre, +46 08 33 12 31
- China NRCC 24hrs emergency telephone number: +86-0532-8388 9090
- Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Dangerous Substances Directive (67/548/EEC). Classification, packaging and labelling of dangerous substances
- Symbols: Xi
- Irritating to skin (R38)
- Risk of serious damage to eyes (R41)
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)
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- Classification according to Regulation (EC) No 1272/2008

SECTION 2 Hazards identification (....)

- Symbols: GHS05, GHS07
- Eye Dam. 1
- Skin Irrit. 2
- Aquatic Chronic 3
- Causes skin irritation (H315).
- Causes serious eye damage (H318).
- Harmful to aquatic life with long lasting effects (H412).
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2.2 Label elements

- Signal Word: Danger
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- Contains:
- SODIUM BISULFATE - SULPHAMIDIC ACID
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- Hazard phrases
Causes skin irritation (H315).
Causes serious eye damage (H318).
Harmful to aquatic life with long lasting effects (H412).
- Precautionary Phrases
Wear protective gloves/protective clothing/eye protection/face protection (P280).
Avoid release to the environment (P273).
IF ON SKIN: Wash with plenty of soap and water (P302+P352).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
Immediately call a POISON CENTER or doctor/physician (P310).
Take off contaminated clothing and wash before reuse (P362).

2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII
- Appearance: white, Tablets
- Odour: Odourless

SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- sulphamidic acid; sulphamic acid; sulfamic acid
Concentration: 40-60%
CAS Number: 5329-14-6
EC Number: 226-218-8
R/H Phrases: H319,H315,H412, R36/38,R52/53
Symbols: GHS07, Xi
Categories: Eye Irrit. 2 Skin Irrit. 2 Aquatic Chronic 3
Index No.: 016-026-00-0
- sodium hydrogensulphate
Concentration: 20-30%

SECTION 3 Composition/information on ingredients (....)

CAS Number: 7681-38-1
EC Number: 231-665-7
R/H Phrases: H318, R41
Symbols: GHS05, Xi
Categories: Eye Dam. 1
Index No.: 016-046-00-X

SECTION 4 First aid measures

4.1 Description of first aid measures

- Contact with eyes: If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes, Irrigate eyes thoroughly whilst lifting eyelids, When in doubt or symptoms persist, seek medical attention
- Contact with skin: If skin irritation or rash occurs: Get medical advice/attention (P333+P313)., Gently wash with plenty of soap and water (P350).
- Ingestion: Rinse mouth with water (only if the person is conscious), Give plenty of water to drink, Never make an unconscious person vomit or drink fluids, Call a POISON CENTER or doctor/physician (P311).
- Inhalation: Remove patient to fresh air, Seek medical attention if ill effects occur

4.2 Most important symptoms and effects, both acute and delayed

- Severely irritating to eyes
- Can cause damage to the eyes
- Causes redness and irritation
- The ingestion of significant quantities may cause dizziness, confusion, headache or stupor
- The ingestion of significant quantities may cause ataxia
- In cases of severe exposure, shortness of breath may develop
- In cases of severe exposure, gastro-intestinal disturbances may develop

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- In case of fire: (P370)
- Nitrogen oxides may be formed
- Sulphur oxides may be formed

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

SECTION 6 Accidental release measures (....)

- Remove by mechanical means
- 6.4 Reference to other sections
- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Wear protective clothing as per section 8
- Eyewash bottles should be available
- Do not get in eyes, on skin, or on clothing (P262).

7.2 Conditions for safe storage, including any incompatibilities

- Avoid contact with water
- Avoid contact with metal
- Store in a well-ventilated place. Keep cool (P403+P235).

7.3 Specific end use(s)

- Contact supplier for further information
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SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- WEL (inhalable dust) (long term) 10 mg/m³
- WEL (respirable dust) (long term) 4 mg/m³
- WEL (short term) 20 mg/m³

8.2 Exposure controls

- Ensure adequate ventilation

8.3 Occupational exposure controls

- Wear suitable respiratory protection. Gas cartridge Filter P2
- Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)
- Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.



SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance:
- Odour:
- pH: (37.9 g/l) at 20C: 1.3
- soluble in water

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

SECTION 10 Stability and reactivity (....)

- Not applicable
 - 10.2 Chemical stability
 - Considered stable under normal conditions
 - 10.3 Possibility of hazardous reactions
 - Corrosive action on metals
 - forms hydrogen in aqueous solution with metals
 - Reacts with alcohols
 - Liberates acid in contact with water or alcohol
 - Aqueous solution reacts acidic
 - 10.4 Conditions to avoid
 - Not applicable
 - 10.5 Incompatible materials
 - Incompatible with acids and alkalis
 - 10.6 Hazardous Decomposition Products
 - Decomposition products may include Nitrous gases (NOX)
 - Decomposition products may include sulphur oxides
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SECTION 11 Toxicological information

- 11.1 Information on toxicological effects
 - LD50 (oral, rat) (CAS: 5329-14-6) 3160 mg/kg
 - 11.2 Contact with eyes
 - Causes redness and irritation
 - Can cause damage to the eyes
 - 11.3 Contact with skin
 - Causes redness and irritation
 - 11.4 Ingestion
 - In cases of severe exposure, dizziness, confusion, headache or stupor may develop
 - In cases of severe exposure, gastro-intestinal disturbances may develop
 - 11.5 Inhalation
 - Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
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SECTION 12 Ecological information

- 12.1 Toxicity
 - LC50 (fish) (CAS: 5329-14-6) 14.2 mg/l (96 hr)
 - 12.2 Persistence and degradability
 - No information available
 - 12.3 Bioaccumulation Potential
 - No information available
 - 12.4 Mobility in soil
 - No information available
 - 12.5 Results of PBT and vPvB assessment
 - Not a PBT according to REACH Annex XIII
 - 12.6 Other Adverse Effects
 - Not applicable
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Dispose of contents/container to an authorised waste collection point (P501)

13.2 Classification

- EU Waste class: 16 05 06
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SECTION 14 Transport information

14.1 UN

- UN No.: UN2967
- Proper Shipping Name: SULPHAMIC ACID, mixture
- Hazard Class: 8
- Packing Group: III

14.2 Environmental hazards

- Not applicable

14.3 Special precautions for user

- No special precautions are required for this product

14.4 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

14.5 Road/Rail (ADR/RID)

- ADR UN No.: UN2967
- Proper Shipping Name: SULPHAMIC ACID, mixture
- ADR Hazard Class: 8
- ADR Packing Group: III

14.6 Sea (IMDG)

- IMDG UN No.: UN2967
- Proper Shipping Name: SULPHAMIC ACID, mixture
- IMDG Hazard Class: 8
- IMDG Pack Group: III
- IMDG EmS: F-A, S-B

14.7 Air (ICAO/IATA)

- ICAO UN No.: UN2967
- Proper Shipping Name: SULPHAMIC ACID, mixture
- ICAO Hazard Class: 8
- ICAO Packing Group: III

14.8 DOT / CFR (US Department of Transportation)

- Identification Number: UN2967
- DOT Proper Shipping Name: SULPHAMIC ACID, mixture
- DOT Labels: 8
- Product RQ (lbs): Not applicable

SECTION 15 Regulatory information

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

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Dangerous Substances Directive (67/548/EEC). Classification, packaging and labelling of dangerous substances
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

15.2 Chemical Safety Assessment

- None
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H412: Harmful to aquatic life with long lasting effects. R36/38: Irritating to eyes and skin. R41: Risk of serious damage to eyes. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

Wilhelmsen Ships Service Level 17, 636 St Kilda Road Melbourne Vic 3004 AUSTRALIA

Tel: +61 3 9630 0900 Emergency 24hrs: +61 3 9630 0998

Wilhelmsen Ships Service INC 210 Edgewater Street US-10305 Staten Island New York United States Telephone daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

Wilhelmsen Ships Service INC 2200 W. Pacific Coast Highway US-90810 Long Beach California, United States Tel (+1) 562 624 8888 Fax (+1) 562 624 1011

Wilhelmsen Ships Service INC 701 Ashland Ave. Ashland Center Two, Bay 12 US- 19032 Folcroft Pennsylvania United States Tel (+1) 610 586 7801 Fax (+1) 215 701 0646

Wilhelmsen Ships Service INC. 9400 New Century Drive US-77507 Pasadena Texas United States Telephone daytime: (+1) 281 867 2000 Fax: (+1) 281 867 2800

Wilhelmsen Ships Service Ltd. Unit 3A NewtonsCourt Crossways DA2 6QL Dartford, Kent United Kingdom Tel (+44) 1322 282 412 Fax (+44) 1322 284 774

Wilhelmsen Ships Service Ltda Rua Bispo Lacerda nos.61/67 Del Catilho BR 21051120 Rio de Janeiro Brazil Tel (+55) 21 25 82 8000 Fax (+55) 21 25 82 8001

Wilhelmsen Ships Service (S) Pte Ltd 186 Pandan Loop Singapore 128376 Tel (+65) 6395 4545

Wilhelmsen Ships Service Co., Ltd 12-31 Torihama-cho Kanazawa-ku Yokohama-shi JP-236 0002, Japan Tel (+81) 45 775 0012 Fax (+81) 45 775 0070

Wilhelmsen Ships Service Hellas SA 100, D. Moutsopoulou & Serifou str GR-185 41 Piraeus Greece

Tel (+ 30) 210 4239100 Fax (+ 30) 210 4212480

Wilhelmsen Ships Service AS U.A.E . FI 24 Executive Heights, Tecom C Sheikh Zayed Road (East) Dubai United Arab Emirates Tel (+971) 4 382 3888

Wilhelmsen Ships Service AS, Willem Barentszstraat 50 3165 AB Rotterdam-Albrandswaard,

SECTION 16 Other information (....)

the Netherlands. Tel (+31) 10 4877 777

