
SAFETY DATA SHEET

SECTION 1 Identification of the substance or preparation and of the company/undertaking**1.1 Product identifier**

- Datasheet Number: 777937
- Product Name: ACIDIFYING GP TABLETS
- Product Part Number: 777937

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

- Reagent for water analysis

1.3 Details of the supplier of the safety data sheet**Head Office:**

Wilhelmsen Ships Service AS
Strandveien 20, N1324 Lysaker,
Norway Tel: (47) 6349 440 35

Supplier:

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3165AB Rotterdam
Telephone: +31 4877 777
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The Netherlands

For quotations contact your local Customer Services

-
- Responsible Person: Product HSE Manager
- Telephone: +31 10 4877775
- Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

-ONLY TO BE USED IN CASE OF AN INCIDENT

NCEC:+44 1865 407333, CHEMTREC (800) 424 9300

American Chemistry Council +1 703 527 3887,

Greece +30 210 7793777 Australia: +61 3 9630 0998

Giftinformatjonsentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service Melbourne AUSTRALIA Emergency 24hrs: +61 3 9630 0998

****FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES****

SECTION 2 Hazards identification**2.1 Classification of the substance or mixture**

- Classification according to Regulation (EC) No 1272/2008
- GHS07
- Eye Irrit. 2
- Causes serious eye irritation (H319).
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- Classification according to Directive 67/548/EEC or Directive 1999/45EC
- Xi
- Irritant
- Irritating to eyes (R36)

SECTION 2 Hazards identification (....)

2.2 Label elements

- Classification according to Regulation (EC) No 1272/2008



GHS: exclamation mark

- Signal Word: Warning
- Hazard phrases
 - Causes serious eye irritation (H319).
- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - Wash thoroughly after handling (P264).
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).

2.3 Other hazards

- Not applicable

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- adipic acid
 - Concentration: 45-50%
 - CAS Number: 124-04-9
 - EC Number: 204-673-3
 - Symbols: GHS07, Xi
 - R/H Phrases: H319, R36
 - Categories: Eye Irrit. 2
- Citric Acid
 - Concentration: 50-60%
 - CAS Number: 77-92-9
 - EC Number: 201-069-1
 - Symbols: GHS07, Xi
 - R/H Phrases: H319, R36
 - Categories: Eye Irrit. 2

SECTION 4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- Get immediate medical advice/attention (P315).
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- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- When in doubt or symptoms persist, seek medical attention
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- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell (P301+P312).
- Give plenty of water to drink
- Induce vomiting (only if patient is conscious)

SECTION 4 First aid measures (....)

4.2 Most important symptoms and effects, both acute and delayed

- Prolonged exposure may cause abrasive irritation of the mucous membranes

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

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- Avoid release to the environment (P273).
 - Wear Breathing Apparatus
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid raising dust
- 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

- 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

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Protect from light
- Protect from moist air
- Store at temperatures not exceeding 20 +/- 5°C/ (P411)

7.3 Specific end use(s)

- Not applicable
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SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- No exposure limits have been set for this substance

8.2 Exposure controls

- No special precautions are required for this product

8.3 Occupational exposure controls

- Wear suitable dustmask e.g.to BS 2091
 - Wear nitrile gloves
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SECTION 8 Exposure controls/personal protection (....)

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.



Gloves



Goggles



Respirator

SECTION 9 Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: Tablets, white, soluble in water
- Odour: Odourless
- Density: Density 1.458 g/cm³ at Room temp C
- Flash point >100 deg C (CC)
- pH: pH: 2.5 - 9.5 g/l at 20C
- Boiling Point/Range: Boiling point 265 °C to Room °C at Room mm /Hg

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity**10.1 Reactivity**

- No hazardous reactions known if used for its intended purpose

10.2 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.3 Incompatible materials

- Incompatible with reducing agents
- Incompatible with oxidizing substances
- Avoid contact with metals

10.4 Hazardous Decomposition Products

- No hazardous decomposition products known
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SECTION 11 Toxicological information**11.1 Information on toxicological effects**

- LD50 (oral,rat) (citric acid) 3000 mg/kg

11.2 Contact with eyes

- Causes irritation

11.3 Contact with skin

- Causes irritation

11.4 Ingestion

- The ingestion of significant quantities may cause gastro-intestinal disturbances

11.5 Inhalation

- In cases of severe exposure, irritation may develop
 - In cases of severe exposure, coughing may develop
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SECTION 12 Ecological information

SECTION 12 Ecological information (....)

12.1 Toxicity

- EC50 (Daphnia magna) 120 mg/l (72 hr)
- LC50 (golden orfe (Leuciscus idus)) 440-760 mg/l (96 hr)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- Not applicable

12.4 Mobility in soil

- Not applicable

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

13.2 Classification

- EU Waste class: 16.05.08
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SECTION 14 Transport information

14.1 UN

- Not applicable

14.2 Proper Shipping Name

- Not applicable

14.3 Packing group

- Not applicable

14.4 Environmental hazards

- Presents little or no hazard to the environment

14.5 Special precautions for user

- No special precautions are required for this product

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

- Not applicable
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SECTION 15 Regulatory information

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

- Classification according to Directive 67/548/EEC or Directive 1999/45EC
- Classification according to Regulation (EC) No 1272/2008
- 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:- H319: Causes serious eye irritation. R36: Irritating to eyes.

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

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

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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