



SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking

1.1 Product identifier

Product Name: SULPHITE ACID STARCH TABLETS MS1X2-1
Datasheet Number: 777126-Part1 1. 0. 0
Product Part Number: 777126
Part of: MO506 TEST PACK MS1 (OTHER REAGENTS IN THIS PACK: MO506.2 - MO506.3)
Head Office: Willhelmsen Ships Service AS
Address: Strandveien 20, N1324 Lysaker, Norway, Tel:(+47) 67 58 45 50

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

Reagent

1.3 Details of the supplier of the safety data sheet

Name of Supplier: For quotations contact your local Customer Services
Address of Supplier: Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
+31 4877 888
The Netherlands
Telephone: +31 4877 777
Fax:
Responsible Person: , Product HSE Manager, Tel.: +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
Giftinformasjonentralen in Norway Tel.: +47 22591300

2 Hazards identification

2.1 Classification of the substance or mixture

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Aquatic Chronic 3
- Skin Irrit. 2
- Eye Irrit. 2
-
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Irritating to eyes and skin (R36/38)
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)

2 Hazards identification (....)

2.2 Label elements



- Signal Word: Warning
- Symbols: Xi, GHS07

Hazard phrases

- Causes skin irritation.
- Causes serious eye irritation.
- Harmful to aquatic life with long lasting effects.

Precautionary Phrases

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid release to the environment.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- If eye irritation persists: Get medical advice/attention.

Risk Phrases

- Irritating to eyes and skin (R36/38)
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)

Safety Phrases

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)
- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

2.3 Other hazards

- Odour: Perceptible odour
- Appearance: powder, white

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
sulfamic acid	>80%	5329-14-6	226-218-8	36/38, 52/53	Xi
CLP classification: Eye Irrit. 2, Skin Irrit. 2, Aquatic Chronic 3				H319, H315 H412	GHS07

*See Section 16

4 First aid measures

4 First aid measures (....)

4.1 Description of first aid measures

- IF ON SKIN: Gently wash with plenty of soap and water.
- When in doubt or symptoms persist, seek medical attention
-
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Seek medical attention if irritation persists
-
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- When in doubt or symptoms persist, seek medical attention
-
- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Possible redness and irritation of affected areas
- The ingestion of significant quantities may cause dry throat
- May cause coughing
- May cause wheeziness

4.3 Indication of immediate medical attention and special treatment needed

-

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

- Smoke from fires is toxic. Take precautions to protect personnel from exposure
- See Section 10

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus
-

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 flush spilt material into any public water system
- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Sweep or shovel-up spillage and remove to a safe place
 - Place in sealable container
 - Seal containers and label them
-

6 Accidental release measures (....)

- Ventilate the area and wash spill site after material pick-up is complete
- Wash thoroughly after dealing with spillage

6.4 Reference to other sections

- None
-

7 Handling and storage

7.1 Precautions for safe handling

- Do not get in eyes, on skin, or on clothing.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Eyewash bottles should be available
- Do not allow dust to accumulate on surfaces and equipment
- Ensure adequate ventilation
- See Section 8

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Keep container tightly closed.
- Keep only in original container.

7.3 Specific end use(s)

- Restricted to professional users
-

8 Exposure controls/personal protection

8.1 Control parameters

- No information available

8.2 Exposure controls

- Ensure adequate ventilation

Occupational exposure controls

- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask
- Wear neoprene or nitrile gloves
- Wear goggles giving complete eye protection



Gloves



Goggles

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Perceptible odour
 - Appearance: powder, white
 - Boiling point >35 °C
 - Melting point 205 °C
-

9 Physical and chemical properties (....)

- Completely soluble in water
- Flash point >93 deg C (CC)

9.2 Other information

- None
-

10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- This article is considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat and moisture

10.5 Incompatible materials

- Incompatible with alkalis (strong bases)

10.6 Hazardous Decomposition Products

- Decomposition products may include sulphur oxides
 - Decomposition products may include nitrogen oxides
-

11 Toxicological information

11.1 Information on toxicological effects

- No experimental data available

Inhalation

- In cases of severe exposure, dry throat may develop
- May cause coughing
- May cause wheeziness

Contact with skin

- Causes redness and irritation

Contact with eyes

- Causes redness and irritation

Ingestion

- The ingestion of significant quantities may cause dry throat

Carcinogenicity

- No evidence of carcinogenic effects

Teratogenicity

- No evidence of reproductive effects

Mutagenicity

- No evidence of mutagenic effects
-

12 Ecological information

12.1 Toxicity

- Aquatic Chronic 3
- Not available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- Low bioaccumulation potential

12.4 Mobility in soil

- Not available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
- No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.

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

Classification

- EU Waste class: 16-05-06

14 Transport information



Corrosive

14.1 UN Number

- UN2967

14.2 UN Proper Shipping Name

- sulfamic acid

14.3 Transport hazard class(es)

- 8

14.4 Packing group

- III

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

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14 Transport information (...)

14.6 Special precautions for user

- When supplied as part of a kit: The kit may be transported under classification UN3316 CHEMICAL KIT

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

- Not applicable

Other information

Road/Rail (ADR/RID)

Proper Shipping Name:	sulfamic acid		
ADR UN No.:	UN2967	ADR Hazard Class:	8
ADR Packing Group:	III	ADR subrisk:	-
ADR Flashpoint:	-		

Sea (IMDG)

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

Air (ICAO/IATA)

Proper Shipping Name:	SULPHAMIC ACID		
ICAO Un No.:	UN2967	ICAO Hazard Class.:	8
ICAO Packing Group.:	III	ICAO subrisk:	-
ICAO Flashpoint:	-		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	SULPHAMIC ACID		
Hazardous Material:	SULPHAMIC ACID		
Hazard Class:	8	Identification Number:	UN2967
Product RQ (lbs):	-	DOT subrisk:	-
DOT Flashpoint:	-		

15 Regulatory information

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

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

15.2 Chemical Safety Assessment

None

16 Other information

16 Other information (....)

Text of R and S phrase codes used in this safety data sheet:- H315: Causes skin irritation.; H319: Causes serious eye irritation.; H412: Harmful to aquatic life with long lasting effects.; R36/38: Irritating to eyes and skin; R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

For addresses of other Wilhelmsen Ships Service offices, please refer to www.wilhelmsen.com/shipsservice

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daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

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