

SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: SILICA PHOTOMETER MO406-3
 Datasheet Number: 777184-Part3 1. 0. 0
 Product Part Number: 777184
 Part of: MO406 (other products in this kit are MO406.1 and MO406.2)
 Head Office: Wilhelmsen 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
 Giftinformasjonssentralen in Norway Tel.: +47 22591300

2 Hazards identification

2.1 Classification of the substance or mixture

- 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
- Eye Dam. 1

2.2 Label elements



- Signal Word: Danger
- Symbols: Xi, GHS05

2 Hazards identification (....)

Hazard phrases

- Causes serious eye damage.
- Contact with acids liberates toxic gas.

Precautionary Phrases

- Wear protective gloves/protective clothing/eye protection/face protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER or doctor/physician.

Risk Phrases

- Contact with acids liberates toxic gas (R31)
- Risk of serious damage to eyes (R41)

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)

2.3 Other hazards

- Odour: Perceptible odour
- Appearance: Solid, off-white, soluble in water
- Contact with eyes: May cause pain, Causes redness and irritation, Severe lachrymatory effects (makes eyes water), Can cause damage to the eyes
- Contact with skin: May cause redness and irritation
- Inhalation: May cause irritation, May cause shortness of breath
- Ingestion: May cause irritation, The ingestion of significant quantities may cause shortness of breath, The ingestion of significant quantities may cause nausea/vomiting

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

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
SODIUM METABISULPHITE	20-40%	7681-57-4	231-673-0	R22, 31, 41	Xn, Xi
CLP classification:				H302, H318	GHS05
Acute Tox. 4, Eye Dam. 1					

*See Section 16

4 First aid measures**4.1 Description of first aid measures**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Give plenty of water to drink
- Never make an unconscious person vomit or drink fluids
- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4 First aid measures (....)

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- 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 nausea/vomiting
- In cases of severe exposure, shortness of breath may develop
- Severe lachrymatory effects (makes eyes water)
- Can cause damage to the eyes

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

- 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

- Wear protective clothing as per section 8
- Shut off source of leak if safe to do so
- Wash thoroughly after dealing with spillage

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
- Do not flush spilt material into any public water system

6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Place in sealable container
- Seal containers and label them
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- None

7 Handling and storage

7.1 Precautions for safe handling

- Eyewash bottles should be available
- Do not get in eyes, on skin, or on clothing.
- Ensure adequate ventilation
- See Section 8

7 Handling and storage (....)

- Do not breathe dust/fume/gas/mist/vapours/spray.
- Avoid raising dust

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

- Restricted to professional users

8 Exposure controls/personal protection

8.1 Control parameters

- SODIUM METABISULPHITE
TLV (TWA) 5 mg/m³ ()

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 suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)



Gloves



Goggles

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Perceptible odour
- Appearance: Solid, off-white, soluble in water
- Boiling point >35 °C
- Flash point >93 deg C (CC)

9.2 Other information

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 Stability and reactivity (....)

10.4 Conditions to avoid

- Keep away from heat, light and moisture

10.5 Incompatible materials

- Incompatible with strong oxidizing substances

10.6 Hazardous Decomposition Products

- Decomposition products may include toxic and irritant fumes
 - Decomposition products may include oxides of nitrogen, sulphur and carbon
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11 Toxicological information

11.1 Information on toxicological effects

- No information available

Inhalation

- May cause irritation
- In cases of severe exposure, shortness of breath may develop

Contact with skin

- May cause redness and irritation

Contact with eyes

- May cause redness and irritation
- May cause pain
- Severe lachrymatory effects (makes eyes water)
- Can cause damage to the eyes

Ingestion

- The ingestion of significant quantities may cause nausea/vomiting
 - The ingestion of significant quantities may cause pain
 - May cause irritation
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12 Ecological information

12.1 Toxicity

- No information available

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 available
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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
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14 Transport information



Corrosive

14.1 UN Number

- UN1759

14.2 UN Proper Shipping Name

- CORROSIVE SOLID, N.O.S. (SODIUM METABISULPHITE)

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

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:	CORROSIVE SOLID, N.O.S. (SODIUM METABISULPHITE)		
ADR UN No.:	UN1759	ADR Hazard Class:	8
ADR Packing Group:	III	ADR subrisk:	-
ADR Flashpoint:	-		

Sea (IMDG)

Proper Shipping Name:	CORROSIVE SOLID, N.O.S. (SODIUM METABISULPHITE)		
IMDG UN No.:	UN1759	IMDG Hazard Class.:	8
IMDG Pack Group.:	III	IMDG EmS:	F-A, S-B
IMDG subrisk:	-	IMDG Flashpoint:	-

14 Transport information (....)

Air (ICAO/IATA)

Proper Shipping Name:	CORROSIVE SOLID, N.O.S. (SODIUM METABISULPHITE)		
ICAO Un No.:	UN1759	ICAO Hazard Class.:	8
ICAO Packing Group.:	III	ICAO subrisk:	-
ICAO Flashpoint:	-		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	CORROSIVE SOLID, N.O.S. (SODIUM METABISULPHITE)		
Hazardous Material:	SODIUM METABISULPHITE)		
Hazard Class:	8	Identification Number:	UN1759
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.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- 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.

15.2 Chemical Safety Assessment

None

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H302: Harmful if swallowed.; H318: Causes serious eye damage.; R22: Harmful if swallowed; R31: Contact with acids liberates toxic gas; R41: Risk of serious damage 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

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

16 Other information (....)

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Emergency 24hrs: +61 3 9630 0998

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