

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

**SCHWEGmann** 

Trade name : SCHWEGO® foam 8339  
Revision date : 28.03.2018  
Print date : 29.03.2018

Version : 1.0.0  
Supersedes date : 28.03.2018

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

#### 1.1 Product identifier

SCHWEGO® foam 8339 (8339)

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

##### Relevant identified uses

Defoamer  
Deaerator

#### 1.3 Details of the supplier of the safety data sheet

##### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Bernd Schwegmann GmbH & Co. KG

**Street :** Wernher-von-Braun-Str. 14

**Postal code/city :** DE-53501 Grafshaft-Gelsdorf

**Telephone :** +49 22 25 / 92 26-0

**Telefax :** +49 22 25 / 92 26-48

**e-mail address of competent person for MSDS:** MSDS@SchwegmannNet.de

#### 1.4 Emergency telephone number

+49 (0) 61 31 / 19 24 0 (POISON CENTER, 24 h in English and German)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Category 3 ; Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

###### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

###### Precautionary statements

P273 Avoid release to the environment.

#### 2.3 Other hazards

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### SECTION 3: Composition / information on ingredients

#### 3.2 Mixtures

##### Hazardous ingredients

Alcohols, C12-14 , ethoxylated, propoxylated ; EC/List No. : -Polymer-

Weight fraction :  $\geq 65 - < 85$  %

Classification 1272/2008 [CLP] : Aquatic Chronic 3 ; H412

##### Additional information

Full text of H- and EUH-phrases: see section 16.

#### 3.3 Additional information

Materials that are listed in the so-called "Candidate List of Substances of Very High Concern (SVHC) for authorisation<sup>3</sup>", issued by the ECHA, are not intentionally any part of this product. It is therefore not to be expected that such materials are present in quantities  $\geq 0,1$  % in the product.

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Remove contaminated, saturated clothing immediately.  
When in doubt or if symptoms are observed, get medical advice.

##### Following inhalation

Provide fresh air.  
In case of respiratory tract irritation, consult a physician.

##### In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.  
In case of skin reactions, consult a physician.

##### After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water.  
Protect uninjured eye.

##### After ingestion

Do NOT induce vomiting.  
Rinse mouth immediately and drink plenty (~ 0,3 L) of water.  
Never give anything by mouth to an unconscious person or a person with cramps.

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

alcohol resistant foam . Extinguishing powder . Carbon dioxide (CO<sub>2</sub>)

##### Unsuitable extinguishing media

Full water jet

#### 5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>) Silicon dioxide

#### 5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4 Additional information

Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen.  
Move undamaged containers from immediate hazard area if it can be done safely.  
Use water spray jet to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

##### For non-emergency personnel

Remove persons to safety. Provide adequate ventilation.  
See protective measures under chapter 7 and 8.

##### For emergency responders

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Personal protection equipment: see section 8

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### 6.2 Environmental precautions

Clear spills immediately. Do not allow to enter into soil/subsoil.  
Cover drains. Do not allow to enter into surface water or drains.

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal.

#### Other information

Special danger of slipping by leaking/spilling product.

### 6.4 Reference to other sections

Safe handling: see section 7  
Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

When using do not eat, drink, smoke, sniff.  
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500<sup>1</sup>.

#### Measures to prevent fire

Fire class : B

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Make sure spills can be contained, e.g. in sump pallets or kerbed areas.  
Floors should be impervious, resistant to liquids and easy to clean. No ground outlets on containers.

#### Packaging materials

Keep/Store only in original container.

#### Requirements for storage rooms and vessels

Protect containers against damage.  
Keep in a cool, well-ventilated place.

#### Hints on joint storage

Keep away from: Oxidising agent

Storage class (LGK) : 10

#### Further information on storage conditions

Observe technical data sheet.

### 7.3 Specific end use(s)

Further information: see technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

#### Personal protection equipment

##### Eye/face protection

Eye glasses with side protection

##### Skin protection

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The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

### Hand protection

**Suitable material** : NBR (Nitrile rubber)

**Breakthrough time (maximum wearing time)** : > 7200 s (LEVEL 4)

**Thickness of the glove material (mm)** : 0,4

**Additional hand protection measures** : Wear cotton undermitten if possible.

**Remark** : For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

### Respiratory protection

Usually no personal respirative protection necessary.

Provide adequate ventilation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : liquid

**Colour** : clear

#### Odour

characteristic

#### Safety relevant basis data

<b>Flow time</b> :	( 23 °C )	>	150 s	ISO 2431 (Flow cup 3 mm)
<b>Melting point/melting range</b> :		<	20 °C	Literature value
<b>Initial boiling point and boiling range</b> :	( 1013 hPa )	>	200 °C	Literature value
<b>Flash point</b> :		>	100 °C	ISO 1523
<b>Ignition temperature</b> :			No data available	DIN 51794
<b>Lower explosion limit</b> :	( 20 °C )		No data available	EN 1839
<b>Upper explosion limit</b> :			No data available	
<b>Vapour pressure</b> :	( 50 °C )	<	0,1 bar	(calculated)
<b>Density</b> :	( 20 °C )		0,93 - 0,97 g/cm <sup>3</sup>	ISO 2811-1
<b>Vapour density</b> :	( 20 °C )		No data available	
<b>Relative density (aqua = 1)</b> :	( 20 °C )		0,93 - 0,97	
<b>Water solubility</b> :	( 20 °C )		No data available	(calculated)
<b>pH</b> :	( 20 °C / 50 g/l )		8,5 - 9,5	DIN 19268
<b>log P<sub>O/W</sub></b> :			No data available	Literature value, solvent
<b>Odour threshold</b> :			No data available	
<b>Relative vapour density</b> :	( 20 °C )		No data available	
<b>Evaporation rate</b> :			not available	
<b>Maximum VOC content (EC)</b> :			0 Wt %	Directive 2010/75/EU
<b>Maximum VOC content (Switzerland)</b> :			0 Wt %	(calculated)
<b>Oxidising liquids</b> :	Not oxidising.			
<b>Explosive properties</b> :	Not explosive according to EU A.14.			

### 9.2 Other information

The VOC concentration was calculated by a method analogical to standard ISO11890-1.

The designation of explosive limits refers to the flammable mixture constituents and not to the overall product.

Additional physical-chemical data are not available / have not been determined.

## SECTION 10: Stability and reactivity

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### 10.1 Reactivity

No known hazardous reactions.

### 10.2 Chemical stability

The product is chemically stable under normal ambient conditions (+20° C room temperature).

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Safe handling: see section 7

### 10.5 Incompatible materials

Oxidising agent, strong.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

Based on available data, the classification criteria are not met.

#### Acute oral toxicity

Mixture not tested.

#### Acute dermal toxicity

Mixture not tested.

#### Acute inhalation toxicity

Mixture not tested.

#### Irritant and corrosive effects

Results from in vitro test for skin corrosivity/irritancy: Mixture not tested.

Skin corrosion : Mixture not tested.

#### Sensitisation

Specific effects: Mixture not tested.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

##### Germ cell mutagenicity

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

##### Reproductive toxicity

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

#### STOT-single exposure

Mixture not tested.

#### STOT-repeated exposure

Mixture not tested.

#### Aspiration hazard

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1 Toxicity

There are no data available on the mixture itself.

#### Aquatic toxicity

Based on available data, the classification criteria are not met.

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### 12.2 Persistence and degradability

There are no data available on the mixture itself.

### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4 Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater.

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6 Other adverse effects

Ozone depletion potential (ODP): This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

### Additional ecotoxicological information

None

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains.

#### Product/Packaging disposal

Consult the appropriate local waste disposal expert about waste disposal.

#### Waste codes/waste designations according to EWC/AVV

16 03 06

#### Waste code packaging

15 01 10

#### Waste treatment options

#### Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

## SECTION 14: Transport information

### 14.1 UN number

No dangerous goods in sense of this transport regulation.

### 14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

### 14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

### 14.4 Packing group

No dangerous goods in sense of this transport regulation.

### 14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

### 14.6 Special precautions for user

See protective measures under chapter 7 and 8.

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not classified for this transport way.

## SECTION 15: Regulatory information

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

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### National regulations

#### Water hazard class (WGK)

Class : 2 Classification according to AwSV

#### Additional information

##### Registration status

Ingredients/product listed in the following inventories:

EINECS/ELINCS (Europe)

TSCA (USA)

DSL (Canada)

ENCS (Japan)

AICS (Australia)

IECSC (China)

PICCS (Philippines)

TCSI (Taiwan)

KECL (South Korea)

NZIoC (New Zealand)

## 15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for this product (mixture).

## SECTION 16: Other information

### Indication of changes

None

### Abbreviations and acronyms

AGS: Ausschuss für Gefahrstoffe (German Commission on Hazardous Substances)

TRGS: Technical Rules of Hazardous Substances

RCP: Reciprocal calculation-based procedure

VOC: Volatile Organic Compounds

ISO: International Standards Organization

EN: European Standard

LGK: German storage class

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)

IMDG-Code: International Maritime Code for Dangerous Goods

GGVSee: German Carriage of Dangerous Goods by Sea Ordinance

GGVSEB: German Carriage of Dangerous Goods by road, rail and inland waterways

ICAO-TI: International Civil Aviation Organization-Technical Instructions

IATA-DGR: International Air Transport Association-Dangerous Goods Regulations

EINECS: European Inventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

TSCA: Toxic Substances Control Act

ENCS/MITI: Japanese Existing and New Chemical Substances List / Ministry of International Trade and Industry

DSL: Canadian Domestic Substance List

KECL/KECI: Korean Existing Chemicals List / Korea Existing Chemicals Inventory

IECSC: Inventory of Existing Chemical Substances in China

AICS: Australian Inventory of Chemical Substances

PICCS: Philippine Inventory of Chemicals and Chemical Substances

NZIoC: New Zealand Inventory of Chemicals

TCSI: Taiwan's Chemical Substance Inventory

WGK: German Water pollution classification

AwSV: German ordinance on installations handling substances hazardous to water

BetrSichV: German Ordinance on Industrial Safety and Health

GefStoffV: German Hazardous Substances Ordinance

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent, very Bioaccumulative

CAS: Chemical Abstracts Service

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EG/EU: European Union  
UN: United Nations  
CLP: classification labelling and packaging  
TWA: Time weighted Average  
STEL: Short term exposure limit

### Key literature references and sources for data

- <sup>1</sup> <http://www.baua.de>
  - <sup>2</sup> <http://publikationen.dguv.de>
  - <sup>3</sup> <http://echa.europa.eu/en/candidate-list-table>
- The product is classified and labelled according to EC legislation.

### Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification 1272/2008 [CLP]:  
Physical hazards Flash point (°C)  
Hazard statements for health hazards Calculation method.  
Environmental hazards : Calculation method.

### Relevant R-, H- and EUH-phrases (Number and full text)

H412 Harmful to aquatic life with long lasting effects.

### Training advice

Special training for first aid necessary.

### Additional information

Please refer to our internet website for more information: <http://www.schwegmannnet.de>

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.