

# Safety Data Sheet

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

**SCHWEGmann** 

Trade name : SCHWEGO® inhibitor 6817  
Revision date : 23.07.2019  
Print date : 23.07.2019

Version (Revision) : 1.1.0 (1.0.0)  
Supersedes date : 23.07.2019

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

### 1.1 Product identifier

SCHWEGO® inhibitor 6817 (6817)

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

#### Relevant identified uses

Corrosion protection additive

### 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 Grafschaff-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]

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2A ; Causes serious eye irritation.

Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.

STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

### 2.2 Label elements

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

##### Hazard pictograms



Flame (GHS02) · Exclamation mark (GHS07)

##### Signal word

Danger

##### Hazard components for labelling

Propan-2-ol

##### Hazard statements

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

##### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P312 Call a POISON CENTER/doctor if you feel unwell.

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P337+P313 If eye irritation persists: Get medical advice/attention.  
P403+P235 Store in a well-ventilated place. Keep cool.

### 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

Propan-2-ol ; REACH registration No. : 01-2119457558-25 ; EC/List No. : 200-661-7; CAS No. : 67-63-0

Weight fraction :  $\geq 50 - < 65$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

3,4,5-Trihydroxybenzoic acid ; REACH registration No. : -- ; EC/List No. : 205-749-9; CAS No. : 149-91-7

Weight fraction :  $\geq 3 - < 10$  %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335

#### Additional information

EC No. : 205-749-9 : The substance does not require registration according to REACH. ( $< 1$  t/a)

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.

## 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 ( $\sim 0,3$  L) of water.  
Never give anything by mouth to an unconscious person or a person with cramps.  
Observe risk of aspiration if vomiting occurs.

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

See section 2.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

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### Suitable extinguishing media

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

### 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>).

## 5.3 Advice for firefighters

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

### 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.

### 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

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Remove all sources of ignition.  
Take precautionary measures against static discharges. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Ignition group : T3

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

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

### Hints on joint storage

Keep away from: Oxidising agent

**Storage class (LGK) : 3**

### 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

#### Occupational exposure limit values

Propan-2-ol ; CAS No. : 67-63-0

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 200 ppm / 500 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : Y, DFG

Version : 01.01.2006

Limit value type (country of origin) : TRGS 903 ( D )

Parameter : Acetone / Whole blood (B) / End of exposure or end of shift

Limit value : 25 mg/l

Version : 01.11.2012

Limit value type (country of origin) : TRGS 903 ( D )

Parameter : Acetone / Urine (U) / End of exposure or end of shift

Limit value : 25 mg/l

Version : 01.11.2012

#### Remark

Y: A risk of reproductive effects needs not to be feared if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept

#### Recommended monitoring procedures

See the series of publications by the German Federal Institute for Occupational Safety and Medicine (Bundesanstalt für Arbeitsschutz und Arbeitsmedizin - BAuA)<sup>1</sup> and BS EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents."

### 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 according to EN 166

##### Skin protection

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)** : > 28800 (LEVEL 6)

**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

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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

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Suitable respiratory protection apparatus: Combination filtering device (EN 14387) A - P 2

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state : liquid

Colour : light yellow , cloudy

#### Odour

characteristic

#### Safety relevant basis data

Flow time :	( 23 °C )	<	30	s	ISO 2431 (Flow cup 3 mm)
Melting point/melting range :		<	5	°C	Literature value
Initial boiling point and boiling range :	( 1013 hPa )	>	80	°C	Literature value
Decomposition temperature :			No data available		
Flash point :			21	°C	ISO 1523
Ignition temperature :		>	400	°C	DIN 51794
Lower explosion limit :			2	Vol-%	Literature value
Upper explosion limit :			12	Vol-%	Literature value
Vapour pressure :	( 50 °C )	<	0,125	bar	(calculated)
Density :	( 20 °C )		0,88 - 0,92	g/cm <sup>3</sup>	ISO 2811-1
Relative density (aqua = 1) :	( 20 °C )		0,88 - 0,92		
Water solubility :	( 20 °C )	>	500	g/l	(calculated)
pH :	( 20 °C / 50 g/l )		3 - 4		DIN 19268
log P <sub>0/w</sub> :			No data available		
Odour threshold :			No data available		
Relative vapour density :	( 20 °C )		No data available		
Vapourisation rate :			not determined		
Maximum VOC content (EC) :			62,4	Wt %	Literature value, solvent
Maximum VOC content (Switzerland) :			62,4	Wt %	Directive 2010/75/EU (calculated)
Flammable solids :	Not applicable.				
Oxidising liquids :	Not oxidising.				
Explosive properties :	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

### 10.1 Reactivity

There are no data available on the mixture itself.

### 10.2 Chemical stability

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

### 10.3 Possibility of hazardous reactions

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No known hazardous reactions.

### 10.4 Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.

### 10.5 Incompatible materials

Oxidising agent

### 10.6 Hazardous decomposition products

In case of warming: Vapours can form explosive mixtures with air.

## 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

Skin corrosion/irritation : Mixture not tested.

Serious eye damage/eye irritation : 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

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

## 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.

### 12.2 Persistence and degradability

The solvent is biodegradable. The product has not been tested. The statement is derived from the properties of the single components.

### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

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### 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 05

#### 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

UN 1263

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

PAINT RELATED MATERIAL

#### Sea transport (IMDG)

PAINT RELATED MATERIAL

#### Air transport (ICAO-TI / IATA-DGR)

PAINT RELATED MATERIAL

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

Class(es) : 3  
Classification code : F1  
Hazard identification number (Kemler No.) : 33  
Tunnel restriction code : D/E  
Hazard label(s) : 3

#### Sea transport (IMDG)

Class(es) : 3  
EmS-No. : F-E / S-E  
Hazard label(s) : 3

#### Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3  
Hazard label(s) : 3

### 14.4 Packing group

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II

### 14.5 Environmental hazards

Land transport (ADR/RID) : No  
Sea transport (IMDG) : No  
Air transport (ICAO-TI / IATA-DGR) : No

### 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

#### EU legislation

##### Authorisations and/or restrictions on use

To follow : REACH, Annex XVII, No. 3

#### National regulations

##### Water hazard class (WGK)

Class : 1 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)

TCSI (Taiwan)

IECSC (China)

KECL (South Korea)

PICCS (Philippines)

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

03. Mixtures - Additional information · 15. Water hazard class (WGK)

### Abbreviations and acronyms

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

AwSV: Ordinance on facilities for handling substances that are hazardous to water

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



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GGVSee: German Carriage of Dangerous Goods by Sea Ordinance  
GGVSEB: German Carriage of Dangerous Goods b 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  
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 according to Regulation (EC) N° 272/2008 [CLP]:

Physical hazards: Flash point (°C)

Health hazards : Calculation method.

Environmental hazards : Calculation method.

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

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

### 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.