

## DISPERBYK-2158

Product code: 000000000000116081

Version 3.0 SDB\_GB

Revision Date 22.11.2016

Print Date 22.11.2016

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

#### 1.1 Product identifier

Trade name : DISPERBYK-2158

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

Use of the Substance/Mixture : Wetting & Dispersing Additive

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

Company : BYK-Chemie GmbH  
Abelstrasse 45  
46483 Wesel  
Telephone : +49 281 670-0  
Telefax : +49 281 65735  
  
Information : Regulatory Affairs  
Telephone : +49 281 670-23532  
Telefax : +49 281 670-23533  
GHS.BYK@altana.com

#### 1.4 Emergency telephone number

GBK Gefahrgutbuero GmbH, Tel. +49 6132 84463

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Skin irritation , Category 2 H315: Causes skin irritation.  
Serious eye damage , Category 1 H318: Causes serious eye damage.  
Skin sensitisation , Category 1 H317: May cause an allergic skin reaction.

##### Classification (67/548/EEC, 1999/45/EC)

Sensitising R43: May cause sensitisation by skin contact.  
Irritant R38: Irritating to skin.  
R41: Risk of serious damage to eyes.

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

## DISPERBYK-2158

Product code: 000000000000116081

Version 3.0 SDB\_GB

Revision Date 22.11.2016

Print Date 22.11.2016

Hazard pictograms



Signal word

: Danger

Hazard statements

: H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.

Precautionary statements

: **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/  
vapours/ spray.  
P280 Wear protective gloves/ eye protection/ face  
protection.  
**Response:**  
P305 + P351 + P338 + P310 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/doctor.  
P333 + P313 If skin irritation or rash occurs: Get medical  
advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it  
before reuse.  
**Disposal:**  
P501 Dispose of contents/ container to an  
approved waste disposal plant.

Hazardous components which must be listed on the label:

- 57472-68-1 oxybis(methyl-2,1-ethanediyl) diacrylate

### 2.3 Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Solution of a copolymer with pigment affinic groups

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
oxybis(methyl-2,1-ethanediyl) diacrylate	57472-68-1 260-754-3 01- 2119484629-21	Xi; R38 Xi; R43 R41	Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 30 - < 50

## DISPERBYK-2158

Product code: 000000000000116081

Version 3.0 SDB\_GB

Revision Date 22.11.2016

Print Date 22.11.2016

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- |                         |   |
|-------------------------|---|
| General advice          | : Move out of dangerous area.<br>Consult a physician.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.  |
| If inhaled              | : If unconscious, place in recovery position and seek medical advice.<br>If symptoms persist, call a physician.   |
| In case of skin contact | : If skin irritation persists, call a physician.<br>If on skin, rinse well with water.<br>If on clothes, remove clothes.  |
| In case of eye contact  | : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.<br>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>Continue rinsing eyes during transport to hospital.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist. |
| If swallowed            | : Keep respiratory tract clear.<br>Do NOT induce vomiting.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital.  |

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

- |          |                             |
|----------|-----------------------------|
| Symptoms | : No information available. |
| Risks    | : No information available. |

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

- |           |                             |
|-----------|-----------------------------|
| Treatment | : No information available. |
|-----------|-----------------------------|

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- |                          |                         |
|--------------------------|-------------------------|
| Unsuitable extinguishing | : High volume water jet |
|--------------------------|-------------------------|

## DISPERBYK-2158

Product code: 000000000000116081

Version 3.0 SDB\_GB

Revision Date 22.11.2016

Print Date 22.11.2016

media

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

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphur oxides

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

---

## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the

## DISPERBYK-2158

Product code: 000000000000116081

Version 3.0 SDB\_GB

Revision Date 22.11.2016

Print Date 22.11.2016

application area.

To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.

Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : No data available

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

#### Hand protection

Material : Nitrile rubber  
Break through time : > 120 min

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

## DISPERBYK-2158

Product code: 000000000000116081

Version 3.0 SDB\_GB

Revision Date 22.11.2016

Print Date 22.11.2016

### Environmental exposure controls

General advice : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform  
respective authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : yellow-orange

Odour : characteristic

pH : No data available

**Melting point/range** : **< 10 °C**  
Method: **estimated**

Initial boiling point : > 100 °C  
Method: estimated

Flash point : 143 °C  
Method: 49 (Pensky-Martens)

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : < 0,00085 hPa (20 °C)  
Method: estimated

Density : 1,084 g/cm<sup>3</sup> (20 °C, 1.013 hPa)  
Method: 4 (20°C oscillating U-tube)

Bulk density : Not applicable

Solubility(ies)  
Water solubility : insoluble

Auto-ignition temperature : > 200 °C  
Method: DIN 51 794/ DIN prEN 14 522

### 9.2 Other information

Surface tension : No data available

## DISPERBYK-2158

Product code: 000000000000116081

Version 3.0 SDB\_GB

Revision Date 22.11.2016

Print Date 22.11.2016

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

#### 10.4 Conditions to avoid

Conditions to avoid : No data available

#### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

#### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

##### Product:

Acute oral toxicity : Remarks: No data available

##### Skin corrosion/irritation

##### Product:

Remarks: Causes skin irritation.

##### Serious eye damage/eye irritation

##### Product:

Remarks: Causes serious eye damage.

##### Respiratory or skin sensitisation

##### Product:

Remarks: No data available

##### Repeated dose toxicity

##### Product:

## DISPERBYK-2158

Product code: 000000000000116081

Version 3.0 SDB\_GB

Revision Date 22.11.2016

Print Date 22.11.2016

Remarks: No data available

### Further information

**Product:**

Remarks: No data available

---

## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : Remarks: No data available

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods



## DISPERBYK-2158

Product code: 000000000000116081

Version 3.0 SDB\_GB

Revision Date 22.11.2016

Print Date 22.11.2016

- |                        |   |  |
|------------------------|---|--|
| Product                | : | Do not dispose of waste into sewer.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company. |
| Contaminated packaging | : | Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.  |

---

### SECTION 14: Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

---

### SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
---	---	---

REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
---	---	----------------

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

#### 15.2 Chemical safety assessment

Not applicable

## DISPERBYK-2158

Product code: 000000000000116081

Version 3.0 SDB\_GB

Revision Date 22.11.2016

Print Date 22.11.2016

### SECTION 16: Other information

#### Full text of R-Phrases

R38	: Irritating to skin.
R41	: Risk of serious damage to eyes.
R43	: May cause sensitisation by skin contact.

#### Full text of H-Statements

H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.

#### Full text of other abbreviations

Eye Dam.	: Serious eye damage
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.