

**SECTION 1: Identification**

**1.1. Product identifier**

Trade name : Calcium Deglazer

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

No additional information available

**1.3. Supplier's details**

Heidelberg Druckmaschinen AG  
Kurfuersten-Anlage 60  
D-69115 Heidelberg - GERMANY  
T +49.6221.92-00 - F +49.6221.92-6999  
[Consumables-msds@heidelberg.com](mailto:Consumables-msds@heidelberg.com)

**1.4. Emergency telephone number**

Emergency number : +3237780337

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to the United Nations GHS**

Flammable liquids Not classified  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 1 H318  
Full text of H statements : see section 16

**2.2. Label elements**

**Labelling according to the United Nations GHS**

Hazard pictograms (GHS-UN) :



GHS05

Signal word (GHS-UN) : Danger  
Hazardous ingredients : 2-Hydroxypropanoic acid  
Hazard statements (GHS-UN) : H315 - Causes skin irritation  
H318 - Causes serious eye damage  
Precautionary statements (GHS-UN) : P264 - Wash hands thoroughly after handling  
P280 - Wear eye protection, protective gloves  
P302+P352 - IF ON SKIN: Wash with plenty of water  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a doctor  
P332+P313 - If skin irritation occurs: Get medical attention

**2.3. Other hazards**

No additional information available

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

Not applicable

**3.2. Mixture**

Name	Product identifier	%	Classification according to the United Nations GHS
2-Hydroxypropanoic acid	(CAS No) 50-21-5	10 - 20	Flam. Liq. Not classified Acute Tox. 5 (Oral), H303 Skin Irrit. 2, H315 Eye Dam. 1, H318
Methoxypropoxypropanol, dipropyleenglycolmonomethyl ether	(CAS No) 34590-94-8	< 10	Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Aquatic Acute Not classified

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according to the United Nations GHS (Rev. 4, 2011)

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Reactivity	: Thermal decomposition generates : Corrosive vapours.
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#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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##### 6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	: Wash hands thoroughly after handling.

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

Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Other information : Do not eat, drink or smoke during use.

#### 8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment



#### 8.4. Exposure limit values for the other components

No additional information available

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: light yellow. white.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 1,65 - 1,85
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixture	: No data available
Density	: 0,998 g/cm <sup>3</sup>
Relative gas density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, kinematic (calculated value) (40 °C)	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available

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### 9.2. Other information

VOC content : 80,8 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapours.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

#### Methoxypropoxypropanol, dipropyleenglycolmonomethyl ether (34590-94-8)

LD50 oral rat	> ≥ 5000 mg/kg
LD50 dermal rat	> ≥ 10000 mg/kg

#### 2-Hydroxypropanoic acid (50-21-5)

LD50 oral rat	3543 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation : Causes skin irritation.  
pH: 1,65 - 1,85

Serious eye damage/irritation : Causes serious eye damage.  
pH: 1,65 - 1,85

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

#### Methoxypropoxypropanol, dipropyleenglycolmonomethyl ether (34590-94-8)

LC50 fish 1	> ≥ 10000 mg/l
EC50 Daphnia 1	> ≥ 100 mg/l
ErC50 (algae)	> ≥ 100 mg/l
Log Pow	0,004

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2-Hydroxypropanoic acid (50-21-5)	
Log Pow	-0,6

### 12.2. Persistence and degradability

Calcium Deglazer	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

Calcium Deglazer	
Bioaccumulative potential	Not established.

Methoxypropoxypropanol, dipropyleenglycolmonomethyl ether (34590-94-8)	
Log Pow	See section 12.1 on ecotoxicology

2-Hydroxypropanoic acid (50-21-5)	
Log Pow	See section 12.1 on ecotoxicology

### 12.4. Mobility in soil

Calcium Deglazer	
Mobility in soil	No additional information available

Methoxypropoxypropanol, dipropyleenglycolmonomethyl ether (34590-94-8)	
Log Pow	See section 12.1 on ecotoxicology

2-Hydroxypropanoic acid (50-21-5)	
Log Pow	See section 12.1 on ecotoxicology

### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available
Other information	: Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

### 14.1. UN number

Not regulated for transport

### 14.2. Proper Shipping Name

Proper Shipping Name (UN RTDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

### 14.3. Transport hazard class(es)

#### UN RTDG

Transport hazard class(es) (UN RTDG)	: Not applicable
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#### IMDG

Transport hazard class(es) (IMDG)	: Not applicable
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#### IATA

Transport hazard class(es) (IATA)	: Not applicable
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### 14.4. Packing group

Packing group (UN RTDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

### 14.5. Environmental hazards

Dangerous for the environment	: No
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Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### - UN RTDG

No data available

#### - IMDG

Transport regulations (IMDG) : Not subject

#### - IATA

Transport regulations (IATA) : Not subject

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

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health, and environmental national regulations specific for the product

No additional information available

## SECTION 16: Other information

Date of issue : 07/09/2016

Revision date : 14/04/2015

Other information : None.

Full text of H-statements:

H227	Combustible liquid
H303	May be harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage

SDS UN

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*