

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 8636300 Hardness High Range Chemkey

Revision date: 02.07.2018

Product code: 8636300

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

### 1.1. Product identifier

8636300 Hardness High Range Chemkey

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

#### Use of the substance/mixture

Reagent for analysis

#### Uses advised against

None known.

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

Company name: HACH LANGE GmbH  
Street: Willstätterstr. 11  
Place: D-40549 Düsseldorf  
Telephone: +49 (0)211 5288-383  
e-mail: SDS@hach.com  
Internet: www.de.hach.com  
Responsible Department: HACH LANGE Ltd.  
5, Pacific Way  
Salford Manchester M50 1DL - United Kingdom  
Tel. +44 (0) 161 872 1487 \* Fax +44 (0) 161 848 7324  
e-Mail: info-uk@hach.com

HACH LANGE Ltd.  
Unit 1, Chestnut Road Western Industrial Estate  
IRL-Dublin 12  
Tel. +353 (0)1 4602522  
e-Mail: info-ie@hach.com

### 1.4. Emergency telephone number:

Poison Control Center Mainz: Tel: +49 (0) 6131 19240 - 24 hour emergency service -

## SECTION 2: Hazards identification

### 2.2. Label elements

#### Additional advice on labelling

As an article the product does not need to be labelled in accordance with EC-directives or respective national laws.

### 2.3. Other hazards

The product is classed as an article within the meaning of Article 3 of Regulation (EC) 1907/2006 (REACH) and is not subject to labelling pursuant to Article 1 of Regulation 1272 (CLP). In accordance with Article 31 of Regulation (EC) 1907/2006 (REACH), a safety data sheet does not need to be provided for articles; if provided, this is done so on a voluntary basis.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Article

#### Further Information

Composition/information on ingredients: not applicable

## SECTION 4: First aid measures

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#### 4.1. Description of first aid measures

##### **General information**

No health threat  
No special precautions required.

##### **After inhalation**

No hazards which require special first aid measures.

##### **After contact with skin**

Wash off with soap and water.

##### **After contact with eyes**

Immediately flush eye(s) with plenty of water.  
If eye irritation persists, consult a specialist.

##### **After ingestion**

No hazards which require special first aid measures.  
Do not taste or swallow.  
Harmful if swallowed.

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

No known effect.

#### 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**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
The product itself does not burn.

##### **Unsuitable extinguishing media**

No Limit

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

None known. Fire may liberate hazardous vapours.

#### 5.3. Advice for firefighters

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.  
In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit.

##### **Additional information**

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

Use personal protective equipment.

#### 6.2. Environmental precautions

No special precautions required.

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

Use mechanical handling equipment.

#### 6.4. Reference to other sections

13. Disposal considerations

### SECTION 7: Handling and storage

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#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

General industrial hygiene practice.  
When using, do not eat, drink or smoke.

##### **Advice on protection against fire and explosion**

See also section 5

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

##### **Requirements for storage rooms and vessels**

Keep in a dry, cool place. Keep away from direct sunlight.

#### 7.3. Specific end use(s)

Reagent for analysis

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### **Additional advice on limit values**

None known.

#### 8.2. Exposure controls

##### **Appropriate engineering controls**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

##### **Protective and hygiene measures**

General industrial hygiene practice.  
Wash hands before eating, drinking, or smoking.

##### **Eye/face protection**

Safety glasses with side-shields

##### **Hand protection**

For prolonged or repeated contact use protective gloves.

##### **Skin protection**

Avoid contact with skin, eyes and clothing.

##### **Respiratory protection**

Provide adequate ventilation.

##### **Environmental exposure controls**

Should not be released into the environment.

### SECTION 9: Physical and chemical properties

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

Physical state:	Solid form	
Colour:	black	
Odour:	odourless	
pH-Value:		no data available
<b>Changes in the physical state</b>		
Melting point:		no data available
Initial boiling point and boiling range:		no data available
Sublimation point:		no data available
Softening point:		no data available
Pour point:		no data available

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:	no data available
Flash point:	no data available
Sustaining combustion:	No data available
<b>Flammability</b>	
Solid:	no data available
Gas:	no data available
<b>Explosive properties</b>	
no data available	
Lower explosion limits:	no data available
Upper explosion limits:	no data available
Ignition temperature:	no data available
<b>Auto-ignition temperature</b>	
Solid:	not applicable
Gas:	no data available
Decomposition temperature:	no data available
<b>Oxidizing properties</b>	
no data available	
Vapour pressure:	no data available
Vapour pressure:	no data available
Density:	no data available
Bulk density:	no data available
Water solubility:	no data available
<b>Solubility in other solvents</b>	
no data available	
soluble (Acid)	
Partition coefficient:	no data available
Viscosity / dynamic:	no data available
Viscosity / kinematic:	no data available
Flow time:	no data available
Vapour density:	no data available
Evaporation rate:	no data available
Solvent separation test:	no data available
Solvent content:	no data available
<b>9.2. Other information</b>	
Solid content:	not applicable
no data available	

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2. Chemical stability**

The product is chemically stable.

**10.3. Possibility of hazardous reactions**

Hazardous polymerisation does not occur.

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#### **10.4. Conditions to avoid**

Extremes of temperature and direct sunlight.

#### **10.5. Incompatible materials**

None known.

#### **10.6. Hazardous decomposition products**

No decomposition if stored and applied as directed.

#### **Further information**

Stable under recommended storage conditions.

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

##### **Toxicokinetics, metabolism and distribution**

No toxicology information is available.

##### **Acute toxicity**

No data is available on the product itself.

##### **Irritation and corrosivity**

No known effect.

##### **Sensitising effects**

No known effect.

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

Contains no ingredient listed as a carcinogen

##### **STOT-single exposure**

No known effect.

##### **STOT-repeated exposure**

No known effect.

##### **Aspiration hazard**

No known effect.

##### **Specific effects in experiment on an animal**

No known effect.

##### **Additional information on tests**

None known.

##### **Practical experience**

##### **Observations relevant to classification**

None known.

##### **Other observations**

No known effect.

#### **Further information**

Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

### SECTION 12: Ecological information

#### **12.1. Toxicity**

No information on ecology is available. No data is available on the product itself.

#### **12.2. Persistence and degradability**

No data is available on the product itself.

#### **12.3. Bioaccumulative potential**

no data available

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#### 12.4. Mobility in soil

no data available

#### 12.5. Results of PBT and vPvB assessment

no data available

#### 12.6. Other adverse effects

No known effect.

#### **Further information**

No known effect.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Advice on disposal**

In accordance with local and national regulations.

##### **Contaminated packaging**

Dispose of as unused product.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

##### **Other applicable information (land transport)**

Not subject to transport regulations.

#### **Inland waterways transport (ADN)**

##### **Other applicable information (inland waterways transport)**

Not tested

#### **Marine transport (IMDG)**

##### **Other applicable information (marine transport)**

Not subject to transport regulations.

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

##### **Other applicable information (air transport)**

Not subject to transport regulations.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

no data available

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

Not relevant

### SECTION 15: Regulatory information

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

##### **EU regulatory information**

##### **Additional information**

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##### **National regulatory information**

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#### **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

#### **SECTION 16: Other information**

##### **Changes**

Revision: 02.07.2018

Safety datasheet sections which have been updated: 1

Revision: 08.06.2017

Safety datasheet sections which have been updated: 1- 16

##### **Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*