

EC safety data sheet

Trade name: 4055463008557 KemTec KE1 Crustex extra

Product no.: 4055463008557

Current version : 1.0.0, issued: 04.07.2016

Replaced version: -, issued: -

Region: GB

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

1.1 Product identifier

Trade name

4055463008557 KemTec KE1 Crustex extra

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

Relevant identified uses of the substance or mixture

rust and urine scale remover

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Kemmler Baustoffe GmbH

Reutlinger Straße 63

72072 Tübingen

Telephone no. +49 (0)7071 151-0

Fax no. +49 (0)7071 151-118

Information provided by / telephone

Kemmler Webshop: +49 (7071) 151 151

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Met. Corr. 1; H290

Skin Corr. 1B; H314

Classification information

Product is classified as "Corrosive" based on the extrem pH-value, see:

- Regulation 1272/2008 (CLP), Annex. I, number 3.2.2.2 / 3.2.3.1.2)

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS05

Signal word

Danger

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Hazardous component(s) to be indicated on label:

hydrochloric acid

Hazard statements

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental label elements

Regulation (EC) No 648/2004 on detergents (Annex VII):
< 5% nonionic surfactants, fragrances, benzyl salicylates, citronellol.

2.3 Other hazards

PBT assessment
No data available.
vPvB assessment
No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	hydrochloric acid		
	7647-01-0 231-595-7 017-002-01-X 01-2119484862-27	Skin Corr. 1B; H314 STOT SE 3; H335 Met. Corr. 1; H290	>= 5.00 - < 10.00 %-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Met. Corr. 1; H290: C >= 0.1% STOT SE 3; H335: C >= 10% Skin Irrit. 2; H315: C >= 10% Eye Irrit. 2; H319: C >= 10% Skin Corr. 1B; H314: C >= 25%	-	-

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration.

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After skin contact

Wash immediately with plenty of water for several minutes.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam; Dry chemical extinguisher; Carbon dioxide; Water spray jet

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Hydrogen chloride (HCl); Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust). When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

Information regarding waste disposal, see chapter 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as it is possible by the state of the art. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

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General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands and skin before breaks and after work. Do not inhale vapours. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Provide eye wash fountain in work area.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

Inappropriate material Metal

Advice on storage assembly

Do not store together with: Bases; Metals

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	hydrochloric acid	7647-01-0	231-595-7
List of approved workplace exposure limits (WELs) / EH40			
Hydrogen chloride			
gas and aerosol mists			
	STEL	8	mg/m ³ 5 ml/m ³
	TWA	2	mg/m ³ 1 ml/m ³
2000/39/EWG			
Hydrogen chloride			
	STEL	15	mg/m ³ 10 ml/m ³
	TWA	8	mg/m ³ 5 ml/m ³

DNEL and PNEC values

DNEL values (worker)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	hydrochloric acid	7647-01-0	231-595-7	
	inhalative	Short term (acute)	local	15 mg/m ³
	inhalative	Long term (chronic)	local	8 mg/m ³

PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	hydrochloric acid	7647-01-0	231-595-7
	water	fresh water	0.036 mg/l
	water	marine water	0.036 mg/l
	water	Aqua intermittent	0.045 mg/l
	sewage treatment plant	-	0.036 mg/l

8.2 Exposure controls

Appropriate engineering controls

Provide good ventilation of working area (local exhaust ventilation, if necessary).

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Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Tightly fitting safety glasses (EN 166).

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness		0.8	mm
Breakthrough time	>	480	min.

Other

Acid-resistant protective clothing

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour			
liquid			
red			
Odour			
slightly pungent			
Odour threshold			
No data available			
pH value			
Value	<	1	
Reference temperature		20	°C
Boiling point / boiling range			
Value	appr.	100	°C
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
No data available			
Auto-ignition temperature			
Remarks	Product is not selfigniting.		
Oxidising properties			
No data available			
Explosive properties			
The product does not have explosive properties.			

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Flammability (solid, gas)			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
No data available			
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	appr.	1	g/cm ³
Reference temperature		20	°C
Solubility in water			
Remarks	Completely miscible		
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No data available			
Viscosity			
No data available			

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Corrosive to metals.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Protect against humidity. Protect from heat and direct sunlight.

10.5 Incompatible materials

Alkalis; Reactions with metals, with evolution of hydrogen.

10.6 Hazardous decomposition products

No data available.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity			
No data available			
Acute dermal toxicity			
No data available			
Acute inhalational toxicity			
No data available			
Skin corrosion/irritation			
No data available			
Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	hydrochloric acid	7647-01-0	231-595-7
Species with reference to		rabbit	
Method		10% HCl	
Source		OECD 405	
Evaluation		ECHA	
		Irreversible effects on the eye	
Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	hydrochloric acid	7647-01-0	231-595-7
Route of exposure		Skin	
Species with reference to		guinea pig	
Method		98% HCl	
Source		OECD 406	
Evaluation		ECHA	
		non-sensitizing	
Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	hydrochloric acid	7647-01-0	231-595-7
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Reproduction toxicity			
No data available			
Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	hydrochloric acid	7647-01-0	231-595-7
Route of exposure		inhalational	
Species		rat	
Method		OECD 451	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
STOT-single exposure			
No data available			
STOT-repeated exposure			
No data available			
Aspiration hazard			
No data available			

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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	hydrochloric acid	7647-01-0	231-595-7
EC50		3.25 - 3.5	mg/l
Duration of exposure		96	h
Species with reference to Source	Lepomis macrochirus 100% HCl ECHA		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	hydrochloric acid	7647-01-0	231-595-7
EC50		4.92	mg/l
Duration of exposure		48	h
Species with reference to Method Source	Daphnia magna 36% HCl OECD 202 ECHA		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	hydrochloric acid	7647-01-0	231-595-7
EC50		4.7	mg/l
Duration of exposure		72	h
Species with reference to Method Source	Chlorella vulgaris 36% HCl OECD 201 ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	hydrochloric acid	7647-01-0	231-595-7
EC50		5 - 5.5	mg/l
Duration of exposure		3	h
Species with reference to Method Source	activated sludge 36% HCl OECD 209 ECHA		

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12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	No data available.
vPvB assessment	No data available.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	8
Classification code	C1
Packing group	III
Hazard identification no.	80
UN number	UN1789
Technical name	HYDROCHLORIC ACID, SOLUTION
Tunnel restriction code	E
Label	8

14.2 Transport IMDG

Class	8
Packing group	III
UN number	UN1789
Proper shipping name	HYDROCHLORIC ACID, SOLUTION
EmS	F-A+S-B
Label	8

14.3 Transport ICAO-TI / IATA

Class	8
Packing group	III
UN number	UN1789
Proper shipping name	Hydrochloric acid, solution
Label	8

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14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

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 regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H335 May cause respiratory irritation.

Department issuing safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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