

**Trade name:** KRONES hydrocare AC 1119**Current version :** 1.0.0, issued: 12.08.2024**Replaced version:** -, issued: -**Region:**  
GER**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****KRONES hydrocare AC 1119**

Substance name	Activated carbon
REACH registration no.	01-2119488894-16

**Identification numbers**

EC no.	931-328-0
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**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Activated carbon

**Uses advised against**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**

KIC KRONES Internationale Cooperationsgesellschaft mbH  
Böhmerwaldstraße 5  
93073 Neutraubling

Telephone no.	+49 9401 70-3020
e-mail	kic@kic-krones.com

**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)

In case of transport incidents and other emergencies:

+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification information**

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

**2.2 Label elements**

Not relevant

**2.3 Other hazards**

Endocrine disrupting properties: no data available.

**SECTION 3: Composition/information on ingredients****3.1 Substances****Chemical characterization**

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**Identification numbers**

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**3.2 Mixtures**

Not applicable. The product is not a mixture.

**SECTION 4: First aid measures**

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#### 4.1 Description of first aid measures

**General information**

Remove contaminated clothing and shoes and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

**After inhalation**

Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

**After skin contact**

When in contact with the skin, clean with soap and water.

**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).

**After ingestion**

Rinse the mouth thoroughly with water. If swallowed give water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice if you feel unwell.

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

**Symptoms**

No symptoms known so far.

**Effects**

No known effects.

#### 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**

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray

**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: Carbon monoxide and carbon dioxide; Danger of dust explosion when in powder form. Combustible.

#### 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**

Personal protective equipment (PPE) - see section 8.

#### 6.2 Environmental precautions

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

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

Collect mechanically. When collected, handle material as described under the section heading "Disposal considerations". Avoid raising dust.

#### 6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Observe the usual precautions for handling chemicals. Avoid dust formation. Avoid contact with skin and eyes. Observe information on personal protection equipment (see section 8).

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not inhale dust.

#### Advice on protection against fire and explosion

Avoid deposition of dust. Dust can form an explosive mixture with air. Use explosion-proof equipment/fittings and non-sparking tools. Keep away from open flames, hot surfaces and other ignition sources. Protect against electrostatic charges.

#### Dust explosion class

ST1

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

#### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original.

#### Incompatible products

Substances to be avoided, see section 10.

#### Storage Class according TRGS 510

11 Combustible solids that cannot be assigned to any of the above storage classes

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Activated carbon			-	
				931-328-0	
	inhalative	Long term (chronic)	local	1,84	mg/m <sup>3</sup>

##### DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Activated carbon			-	
				931-328-0	
	inhalative	Long term (chronic)	local	0,9	mg/m <sup>3</sup>

##### PNEC values

No	Substance name		Type	CAS / EC no	
	ecological compartment			Value	
1	Activated carbon			-	
				931-328-0	
	soil		-	10	mg/kg dry weight

### 8.2 Exposure controls

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Ensure adequate ventilation, local exhaust at the work station if necessary. To avoid the accumulation of loose dust, a closed system, local exhaust ventilation, or other control equipment for the collection of dust should be used. Ensure that all dust control equipment incorporates explosion-relief or-minimisation systems.

**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 dust formation, take appropriate measures for breathing protection in the event that workplace threshold values are not specified.

**Eye / face protection**

Safety glasses (EN 166)

**Hand protection**

In case of intensive contact, wear protective gloves (EN 374). 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.

**Other**

Chemical-resistant work clothes.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>State of aggregation</b>	
solid	
<b>Colour</b>	
black	
<b>Odour</b>	
odourless	
<b>pH value</b>	
Source	supplier
Comments	weakly alkaline
<b>Boiling point / boiling range</b>	
No data available	
<b>Melting point/freezing point</b>	
Value	> 3500 °C
Source	supplier
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
No data available	
<b>Ignition temperature</b>	
Value	810 °C
Source	supplier
<b>Auto-ignition temperature</b>	
Value	> 400 °C
Source	supplier
<b>Flammability</b>	
No data available	

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<b>Lower explosion limit</b>	
No data available	
<b>Upper explosion limit</b>	
No data available	
<b>Vapour pressure</b>	
No data available	
<b>Relative vapour density</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
No data available	
<b>Solubility in water</b>	
Source	supplier
Comments	insoluble
<b>Solubility</b>	
No data available	
<b>Partition coefficient n-octanol/water (log value)</b>	
No data available	
<b>Kinematic viscosity</b>	
No data available	
<b>Particle characteristics</b>	
No data available	

**9.2 Other information**

<b>Other information</b>
No data available.

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

The product is not dust explosive in the delivered form; however, the accumulation of fine dust leads to dust explosion hazard.

**10.2 Chemical stability**

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

**10.3 Possibility of hazardous reactions**

Risk of explosion on contact with: oxidizing agents

**10.4 Conditions to avoid**

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**10.5 Incompatible materials**

No data available.

**10.6 Hazardous decomposition products**

No data available.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

<b>Acute oral toxicity</b>		
No	Substance name	CAS no.
		EC no.

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1	Activated carbon	-	931-328-0
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Acute dermal toxicity**

No data available

**Acute inhalational toxicity**

No	Substance name	CAS no.	EC no.
1	Activated carbon	-	931-328-0
LC50	>	8,5	mg/l
Duration of exposure		4	h
State of aggregation	Dust		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Skin corrosion/irritation**

No	Substance name	CAS no.	EC no.
1	Activated carbon	-	931-328-0
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Serious eye damage/irritation**

No	Substance name	CAS no.	EC no.
1	Activated carbon	-	931-328-0
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Respiratory or skin sensitisation**

No	Substance name	CAS no.	EC no.
1	Activated carbon	-	931-328-0
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	non-sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Germ cell mutagenicity**

No data available

**Reproduction toxicity**

No data available

**Carcinogenicity**

No data available

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration hazard**

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No data available
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<b>Endocrine disrupting properties</b>
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No data available
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## 11.2 Information on other hazards

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>
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No data available
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<b>Toxicity to fish (chronic)</b>
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No data available
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<b>Toxicity to Daphnia (acute)</b>
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No data available
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<b>Toxicity to Daphnia (chronic)</b>
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No data available
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<b>Toxicity to algae (acute)</b>
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No data available
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<b>Toxicity to algae (chronic)</b>
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No data available
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<b>Bacteria toxicity</b>
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No data available
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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

No data available.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### 12.8 Other information

<b>Other information</b>
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Do not discharge product unmonitored into the environment.
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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

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

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Residues 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 UN number or ID number**  
Not classified as dangerous in the meaning of transport regulations.
- 14.2 UN proper shipping name**  
Not classified as dangerous in the meaning of transport regulations.
- 14.3 Transport hazard class(es)**  
Not classified as dangerous in the meaning of transport regulations.
- 14.4 Packing group**  
Not classified as dangerous in the meaning of transport regulations.
- 14.5 Environmental hazards**  
Not classified as dangerous in the meaning of transport regulations.
- 14.6 Special precautions for user**  
No data available.
- 14.7 Maritime transport in bulk according to IMO instruments**  
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)**

In accordance with the REACH regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

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

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

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

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

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

This substance 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.

#### National regulations

##### **Water Hazard Class (Germany)**

Class	nwg
Identification number	801
Source	Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information



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**Sources of key data used to compile the data sheet:**

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

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

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 section.

**Creation of the safety data sheet**

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This information is based on our present knowledge and experience.

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Prod-ID 803594