

**Safety Data Sheet**

according to UK REACH Regulation

**Gentisic acid**

Revision date: 01.11.2022

Product code: PE-SC-13-R-V4

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Gentisic acid

CAS No: 490-79-9

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

Company name:	ABX advanced biochemical compounds Biomedizinische Forschungsreagenzien GmbH	
Street:	Heinrich-Gläser-Straße 10-14	
Place:	01454 Radeberg	
Telephone:	+49 3528 4041 60	Telefax: +49 3528 4041 65
e-mail:	info@abx.de	
Contact person:	Dr. Christoph Meyer	Telephone: +49 3528 4041 8732
e-mail:	meyer@abx.de	
Internet:	http://www.abx.de	

**1.4. Emergency telephone number:** +49 3528 4041 60

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

Acute Tox. 4; H302  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****GB CLP Regulation**

**Hazard components for labelling**  
gentisic acid

**Signal word:** Warning**Pictograms:****Hazard statements**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

**Precautionary statements**

P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
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.

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

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**3.1. Substances****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
490-79-9	gentisic acid			100 %
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302 H315 H319			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
490-79-9		gentisic acid	100 %
	oral: LD50 = 800 mg/kg		

**SECTION 4: First aid measures****4.1. Description of first aid measures****After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

**After contact with eyes**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Rinse mouth thoroughly with water. Call a physician in any case!

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water. Foam. Extinguishing powder. Dry extinguishing powder. Co-ordinate fire-fighting measures to the fire surroundings.

**5.3. Advice for firefighters**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Suppress gases/vapours/mists with water spray jet.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on general occupational hygiene**

Do not eat, drink, smoke or sneeze at the workplace.

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**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

**Further information on storage conditions**

Storage up to °C: +30

Protect against: Light.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

**8.2. Exposure controls****Individual protection measures, such as personal protective equipment****Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

Single-use gloves. Wash hands before breaks and after work. Protect skin by using skin protective cream.

**Skin protection**

Wash contaminated clothing prior to re-use.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

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

Physical state:	solid
Colour:	light yellow
Odour:	odourless

**Changes in the physical state****SECTION 10: Stability and reactivity****10.6. Hazardous decomposition products**

Carbon dioxide. Carbon monoxide.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
490-79-9	gentisic acid				
	oral	LD50 mg/kg	800	rat	

**SECTION 12: Ecological information****12.5. Results of PBT and vPvB assessment**

This substance does not meet the PBT/vPvB criteria of UK REACH.

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### 12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

#### Other applicable information

Not a hazardous material with respect to these transportation regulations.

## SECTION 15: Regulatory information

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

#### National regulatory information

Water hazard class (D): 3 - highly hazardous to water

## SECTION 16: Other information

#### Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.