

Trade name: Butylhydroxyanisolum(BHA)

Substance number: 061990

Version: 5 / CH

Date revised: 28.03.2023

Replaces Version: 4 / CH

Print date: 28.03.23

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

### **1.1. Product identifier**

Butylhydroxyanisolum(BHA)

Item No. 06199000

#### **Registration no.**

EC No.: 246-563-8

Registration no. 05-2118718364-42-0000

CAS No. 25013-16-5

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

#### **Use of the substance/preparation**

Antioxidant

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

#### **Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **SECTION 2: Hazards identification \*\*\***

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

#### **Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Acute Tox. 4 H312

Eye Dam. 1 H318

Carc. 2 H351

Aquatic Chronic 2 H411

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

#### **Hazard pictograms \*\*\***



#### **Signal word**

Danger

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**Hazard statements \*\*\***

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H318	Causes serious eye damage.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary statements \*\*\***

P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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 POISON CENTER or doctor.
P501.3	Disposal in compliance with local and national regulations.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains tert-butyl-4-methoxyphenol

**2.3. Other hazards**

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

**SECTION 3: Composition/information on ingredients****Hazardous ingredients****tert-butyl-4-methoxyphenol**

CAS No.	25013-16-5		
EINECS no.	246-563-8		
Concentration	>=	100	%
Classification (Regulation (EC) No. 1272/2008)	Eye Dam. 1	H318	
	Carc. 2	H351	
	Aquatic Chronic 2	H411	
	Acute Tox. 4	H302	
	Acute Tox. 4	H312	
ATE	oral	800	mg/kg
ATE	dermal	2'000	mg/kg

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Remove to fresh air, keep patient warm and at rest. Irregular breathing/no breathing: artificial respiration.

**After skin contact**

Wash off immediately with soap and water. Remove contaminated, soaked clothing immediately and dispose of safely. Consult a doctor if skin irritation persists.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

**After ingestion**

Rinse mouth thoroughly with water. Ensure supply of fresh air. Keep warm and at rest. Let plenty of water be drunk in small gulps. Do not induce vomiting - aspiration hazard. If individual is drowsy or unconscious place in recovery position (on left side, with head down).

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Foam, Carbon dioxide, Dry powder, Water mist

#### **Non suitable extinguishing media**

Full water jet

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

If a fire breaks out nearby evolution of dangerous gases possible.

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

Use personal protective clothing.

#### **Other information**

Do not discharge into surface waters/groundwater. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## **SECTION 6: Accidental release measures**

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

Keep away unprotected persons. Wear protective equipment. Ensure adequate ventilation.

### **6.2. Environmental precautions**

Do not allow to enter drains or waterways. Advise water authority if spillage has entered water course or drainage system.

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

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Take up mechanically and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

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

Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary). Do not inhale dust. Open container only in presence of local exhaust ventilation.

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

Take action to prevent static discharges.

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

#### **Recommended storage temperature**

Value 15 - 25 °C

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

Keep only in original container.

#### **Hints on storage assembly**

Do not store together with: Oxidising agents, Acids, bases

#### **Storage classes**

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	8	Caustic and corrosive substances

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**Further information on storage conditions**

Keep container tightly closed. Protect from light. Protect from warmth. Protect from atmospheric moisture and water.

**SECTION 8: Exposure controls/personal protection****8.2. Exposure controls****General protective and hygiene measures**

Wash hands and face before breaks and after work. Wash contaminated clothing before reuse. Observe the usual precautions for handling chemicals. Avoid any contact with the body. Provide adequate ventilation.

**Respiratory protection**

Breathing apparatus in the event of aerosol. Particle filter P2

**Hand protection**

Rubber gloves

Appropriate Material

PVC

Breakthrough time

< 1 h

Appropriate Material

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Clothing as usual in the chemical industry. complete head, face and neck protection

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

Physical state

solid

Colour

white

Odour

aromatic

**Melting point**

Value

48

to

63

°C

**Boiling point or initial boiling point and boiling range**

Value

264

°C

**Flash point**

Value

155

°C

**9.2. Other information****Solubility in water**

Remarks

insoluble

**SECTION 10: Stability and reactivity****10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

No decomposition if stored and applied as directed.

**10.4. Conditions to avoid**

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Protect from heat and direct sunlight. Protect from atmospheric moisture and water.

**10.5. Incompatible materials**

Oxidising agents, heat, Acids, Bases

**10.6. Hazardous decomposition products**

None under normal use.

**Other information**

chemical stable

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

ATE	800	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

**Acute oral toxicity (Components)****tert-butyl-4-methoxyphenol**

Species	mouse	
LD50	800	mg/kg

**tert-butyl-4-methoxyphenol**

Species	rat	
LD50	1600	mg/kg

**Acute dermal toxicity**

ATE	2'000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

**Acute dermal toxicity (Components)****tert-butyl-4-methoxyphenol**

Species	rat	
LD50	2000	mg/kg

**Acute inhalative toxicity (Components)****tert-butyl-4-methoxyphenol**

Remarks	Irritating to respiratory system.
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**Skin corrosion/irritation (Components)****tert-butyl-4-methoxyphenol**

evaluation	slightly irritant
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**Serious eye damage/irritation (Components)****tert-butyl-4-methoxyphenol**

evaluation	irritant - risk of serious damage to eyes
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**Sensitization**

Remarks	No sensitization effect known.
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**Mutagenicity**

Remarks	negative
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**Reproductive toxicity**

Remarks	No data available.
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**Carcinogenicity**

Species	Human
Remarks	May cause cancer.
Source	IARC

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**Specific Target Organ Toxicity (STOT)**

Remarks No data available

**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

**Experience in practice**

Inhalations of vapours in higher concentration may lead to irritation of eyes, nose and respiratory tract.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****Fish toxicity (Components)****tert-butyl-4-methoxyphenol**

LC50	2.2		mg/l
Duration of exposure	96	h	

**Daphnia toxicity (Components)****tert-butyl-4-methoxyphenol**

Species	Daphnia magna		
LC50	15		mg/l
Duration of exposure	96	h	

**Algae toxicity (Components)****tert-butyl-4-methoxyphenol**

ErC50	7		mg/l
Duration of exposure	96	h	

**12.2. Persistence and degradability****Biodegradability (Components)****tert-butyl-4-methoxyphenol**

evaluation not degradable

**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment \*\*\***

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

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

**12.7. Other adverse effects****General information / ecology**

Product is hazardous to water. Do not allow it to reach ground water, water bodies or sewage system.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

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Dispose of as unused product.

**SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	-		
14.1. UN number	3077	3077	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (tert-butyl-4-methoxyphenol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (tert-butyl-4-methoxyphenol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (tert-butyl-4-methoxyphenol)
14.3. Transport hazard class(es)	9	9	9
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	3		

**SECTION 15: Regulatory information \*\*\*****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany) \*\*\***

Water Hazard Class (Germany)

WGK 2

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H318	Causes serious eye damage.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

**CLP categories listed in Chapter 3**

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage, Category 1

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.