

**Safety data sheet**

according to 1907/2006/EC, Article 31



Printing date 29.11.2022

Version number 3 (replaces version 2)

Revision: 22.11.2022

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

- **1.1 Product identifier**
- **Trade name:** Q 99-270 Accelerator Additive
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Additive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Q-Company Int. GmbH  
Lentföhrdener Strasse 12 – 14  
D-24576 Weddelbrook, Germany  
msds@qrefinish.com  
Tel +49 (0)4192 891420  
www.qrefinish.com
- **1.4 Emergency telephone number:** +49 (0)551-19240 (Giftinformationszentrum-Nord)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 3      H226      Flammable liquid and vapour.



health hazard

Muta. 2      H341      Suspected of causing genetic defects.  
 Repr. 1B      H360FD May damage fertility. May damage the unborn child.  
 STOT SE 2      H371      May cause damage to organs.  
 STOT RE 2      H373      May cause damage to the immune system through prolonged or repeated exposure.



corrosion

Eye Dam. 1      H318      Causes serious eye damage.



environment

Aquatic Chronic 2 H411      Toxic to aquatic life with long lasting effects.



Skin Irrit. 2      H315      Causes skin irritation.  
 Skin Sens. 1      H317      May cause an allergic skin reaction.  
 STOT SE 3      H336      May cause drowsiness or dizziness.

(Contd. on page 2)

GB



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(Contd. of page 1)

### · 2.2 Label elements

#### · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

#### · Hazard pictograms



GHS02 GHS05 GHS07 GHS08 GHS09

#### · Signal word *Danger*

#### · Hazard-determining components of labelling:

*n*-Butyl acetate

dibutyltin dilaurate

#### · Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H360FD May damage fertility. May damage the unborn child.

H371 May cause damage to organs.

H336 May cause drowsiness or dizziness.

H373 May cause damage to the immune system through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

#### · Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

#### · Additional information:

Restricted to professional users.

### · 2.3 Other hazards

#### · Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### · 3.2 Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 3)

GB



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(Contd. of page 2)

<b>· Dangerous components:</b>		
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-Butyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336, EUH066	50-100%
CAS: 77-58-7 EINECS: 201-039-8 Reg.nr.: 01-2119496068-27	dibutyltin dilaurate ⚠ Muta. 2, H341; Repr. 1B, H360FD; STOT SE 1, H370; STOT RE 1, H372; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	≥3-<5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water.  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

(Contd. on page 4)



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(Contd. of page 3)

- **6.4 Reference to other sections**
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.
- Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 3
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

#### 123-86-4 n-Butyl acetate

WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm
	Long-term value: 724 mg/m <sup>3</sup> , 150 ppm

#### 77-58-7 dibutyltin dilaurate

WEL	Short-term value: 0.2 mg/m <sup>3</sup>
	Long-term value: 0.1 mg/m <sup>3</sup>
	as Sn; Sk

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.
- **Respiratory protection:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

(Contd. on page 5)



## Safety data sheet

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Version number 3 (replaces version 2)

Revision: 22.11.2022

**Trade name: Q 99-270 Accelerator Additive**

(Contd. of page 4)

### · **Hand protection**

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*



Protective gloves (EN 374)

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

### · **Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

### · **Breakthrough time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

### · **Eye/face protection**



Tightly sealed goggles

## SECTION 9: Physical and chemical properties

### · **9.1 Information on basic physical and chemical properties**

#### · **General Information**

##### · **Physical state**

Fluid

##### · **Colour:**

According to product specification

##### · **Odour:**

Characteristic

##### · **Odour threshold:**

Not determined.

##### · **Melting point/freezing point:**

Undetermined.

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

124-128 °C (123-86-4 n-Butyl acetate)

##### · **Flammability**

Flammable.

##### · **Lower and upper explosion limit**

##### · **Lower:**

1.2 Vol % (123-86-4 n-Butyl acetate)

##### · **Upper:**

7.5 Vol % (123-86-4 n-Butyl acetate)

##### · **Flash point:**

23 °C (DIN EN ISO 1523:2002)

##### · **Ignition temperature:**

370 °C (DIN 51794, 123-86-4 n-Butyl acetate)

##### · **Decomposition temperature:**

Not determined.

##### · **pH**

Not determined.

##### · **Viscosity:**

##### · **Kinematic viscosity**

Not determined.

##### · **Dynamic at 20 °C:**

0.7 mPas

##### · **Solubility**

##### · **water:**

Not miscible or difficult to mix.

##### · **Partition coefficient n-octanol/water (log value)**

Not determined.

##### · **Vapour pressure at 20 °C:**

10.7 hPa (123-86-4 n-Butyl acetate)

##### · **Density and/or relative density**

##### · **Density at 20 °C:**

0.884 g/cm<sup>3</sup> (DIN EN ISO 2811-1)

##### · **Relative density**

Not determined.

(Contd. on page 6)



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**Trade name: Q 99-270 Accelerator Additive**

(Contd. of page 5)

· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Solvent content:	
· VOC (EC)	97.00 %
· Solids content (weight-%):	3.0 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

### SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Carbon monoxide

GB

(Contd. on page 7)



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(Contd. of page 6)

### SECTION 11: Toxicological information

#### · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### · Acute toxicity

##### · LD/LC50 values relevant for classification:

##### 123-86-4 n-Butyl acetate

Oral	LD50	13,100 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

##### · Skin corrosion/irritation Causes skin irritation.

##### · Serious eye damage/irritation Causes serious eye damage.

##### · Respiratory or skin sensitisation May cause an allergic skin reaction.

##### · Germ cell mutagenicity Suspected of causing genetic defects.

##### · Reproductive toxicity May damage fertility. May damage the unborn child.

##### · STOT-single exposure

May cause damage to organs.

May cause drowsiness or dizziness.

##### · STOT-repeated exposure May cause damage to the immune system through prolonged or repeated exposure.

#### · 11.2 Information on other hazards

##### · Endocrine disrupting properties

None of the ingredients is listed.

### SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity: No further relevant information available.

##### · 12.2 Persistence and degradability No further relevant information available.

##### · 12.3 Bioaccumulative potential No further relevant information available.

##### · 12.4 Mobility in soil No further relevant information available.

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

##### · PBT: Not applicable.

##### · vPvB: Not applicable.

#### · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

#### · 12.7 Other adverse effects

##### · Remark: Toxic for fish

##### · Additional ecological information:

##### · General notes:

Water hazard class 3 (German Regulation) : extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 8)





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(Contd. of page 7)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

#### · 14.1 UN number or ID number

· ADR, IMDG, IATA

UN1263

#### · 14.2 UN proper shipping name

· ADR

UN1263 PAINT RELATED MATERIAL,  
ENVIRONMENTALLY HAZARDOUS

· IMDG

PAINT RELATED MATERIAL (dibutyltin dilaurate),  
MARINE POLLUTANT

· IATA

PAINT RELATED MATERIAL

#### · 14.3 Transport hazard class(es)

· ADR



· Class

3 (F1) Flammable liquids.

· Label

3

· IMDG



· Class

3 Flammable liquids.

· Label

3

· IATA



· Class

3 Flammable liquids.

· Label

3

#### · 14.4 Packing group

· ADR, IMDG, IATA

III

#### · 14.5 Environmental hazards:

Product contains environmentally hazardous substances:  
dibutyltin dilaurate

#### · Marine pollutant:

No  
Symbol (fish and tree)

#### · Special marking (ADR):

Symbol (fish and tree)

#### · 14.6 Special precautions for user

Warning: Flammable liquids.

#### · Hazard identification number (Kemler code):

30

#### · EMS Number:

F-E,S-E

#### · Segregation groups

(SGGI) Acids

(Contd. on page 9)





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(Contd. of page 8)

· <b>Stowage Category</b>	<i>A</i>
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	<i>Not applicable.</i>
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	<i>5L</i>
· <b>Transport category</b>	<i>3</i>
· <b>Tunnel restriction code</b>	<i>D/E</i>
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	<i>5L</i>
· <b>UN "Model Regulation":</b>	<i>UN 1263 PAINT RELATED MATERIAL, 3, III, ENVIRONMENTALLY HAZARDOUS</i>

\*

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Directive 2012/18/EU**
  - **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*
  - **Seveso category**  
*E2 Hazardous to the Aquatic Environment*  
*P5c FLAMMABLE LIQUIDS*
  - **Qualifying quantity (tonnes) for the application of lower-tier requirements** *200 t*
  - **Qualifying quantity (tonnes) for the application of upper-tier requirements** *500 t*
  - **National regulations:**
  - **Additional classification according to Decree on Hazardous Materials, Annex II:**
- | Class | Share in % |
|-------|------------|
| NK    | 50-100     |
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

\*

### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**
- H226 Flammable liquid and vapour.*
- H314 Causes severe skin burns and eye damage.*
- H317 May cause an allergic skin reaction.*
- H318 Causes serious eye damage.*
- H336 May cause drowsiness or dizziness.*
- H341 Suspected of causing genetic defects.*
- H360FD May damage fertility. May damage the unborn child.*
- H370 Causes damage to organs.*
- H372 Causes damage to organs through prolonged or repeated exposure.*
- H400 Very toxic to aquatic life.*
- H410 Very toxic to aquatic life with long lasting effects.*
- EUH066 Repeated exposure may cause skin dryness or cracking.*

(Contd. on page 10)



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(Contd. of page 9)

· **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 2: Germ cell mutagenicity – Category 2

Repr. 1B: Reproductive toxicity – Category 1B

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

STOT SE 2: Specific target organ toxicity (single exposure) – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· **\* Data compared to the previous version altered.**