

Safety Data Sheet

Material: 60130899

BQ 6999 (ULS)
(Scale-up Product)

Version 1.13 (GHS_INT)

Print Date 08.05.2026

Date of last alteration: 04.04.2026

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Commercial product name:** **BQ 6999 (ULS)**
(Scale-up Product)**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of substance / preparation:

Industrial.

Binder for: Construction products .

All other areas of application to be agreed with the Application Engineering/ Technical Marketing Department of the manufacturer.

1.3 Details of the supplier of the safety data sheet

Manufacturer/distributor:

Wacker Chemicals Korea Inc.

Pangyo Techno Valley

Street/POB-No.:

S-3F, 231 Pangyoyeok-ro

State/postal code/city:

ROK Bundang-gu, Seongnam-si, 463-400

Telephone:

+82-1800-5407

Information about the Safety Data Sheet:

Telephone

+49 8677 83-4888

eMail

WLCP-MSDS@wacker.com

1.4 Emergency telephone number

Emergency Information:

Europe

+44 1235 239670

Emergency Information:

Africa and the Middle East

+44 1235 239671

Emergency Information:

Caribbean, Central America and South
America except Chile and Colombia**+1 646 844 7309**

Emergency Information:

Pakistan

+65 3158 1329

Emergency Information:

Bangladesh

+65 3158 1200

Emergency Information:

East Asia and Southeast Asia except Sri
Lanka, Bangladesh and Pakistan**+65 3158 1074**

Emergency Information:

Sri Lanka

+65 3158 1195**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

2.2 Label elements

No labeling according to GHS required.

2.3 Other hazards

No data available.

Endocrine disrupting properties - human health: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine disrupting properties - environment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

not applicable

Safety Data Sheet

Material: 60130899

**BQ 6999 (ULS)
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3.2 Mixtures

3.2.1 Chemical characteristics

Copolymer of: vinyl acetate + ethylene (dispersion in water) .

3.2.2 Hazardous ingredients

This material does not contain any ingredients above the permitted limit(s).

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above $\geq 0.1\%$.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Take persons to a safe place. Observe self-protection for first aid. In the event of allergic reactions, particularly those affecting the respiratory system, seek immediate medical advice.

After contact with the eyes:

Rinse immediately with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice and clearly identify substance.

After contact with the skin:

Remove contaminated or soaked clothing. Wash off with plenty of water or water and soap immediately for 10-15 minutes. In serious cases, use emergency shower immediately. Seek medical advice and clearly identify substance.

After inhalation:

Keep the patient calm. If unconscious place in stable sideways position. Protect against loss of body heat. If breathing stops, administer artificial respiration. Seek medical advice and clearly identify substance.

After swallowing:

If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice and clearly identify substance.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

Due to its physical properties, may cause mechanical irritation. Product may agglutinate in the gastro-intestinal tract. Medical assistance should be sought. Depending on the symptoms, invasive measures may be necessary. Product can lead to sensitisation and can trigger allergies. After inhalation: treat as early as possible using cortisone spray. Further toxicology information in section 11 must be observed.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

not applicable .

Extinguishing media which must not be used for safety reasons:

not applicable .

5.2 Special hazards arising from the substance or mixture

At low oxygen level: acetic acid.

5.3 Advice for firefighters

Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

General information:

Product does not burn. Use extinguishing measures appropriate to the source of the fire. Dried up material is combustible.

Safety Data Sheet

Material: 60130899

**BQ 6999 (ULS)
(Scale-up Product)**

Version 1.13 (GHS_INT)

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Date of last alteration: 04.04.2026

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

Wear personal protection equipment (see section 8). If material is released indicate risk of slipping.

6.2 Environmental precautions

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth).

6.3 Methods and material for containment and cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean up with plenty of water. Dispose of cleansing water in accordance with local/state/federal regulations.

6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7: Handling and storage**7.1 Precautions for safe handling****General information:**

Avoid exposure by technical measures or personal protective equipment.

Precautions for safe handling:

Spilled substance increases risk of slipping.

Precautions against fire and explosion:

No special precautions against fire and explosion required.

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

Protect against frost.

Advice for storage of incompatible materials:

not applicable .

Further information for storage:

exempt .

Maximum temperature allowed during storage and transportation: 40 °C**7.3 Specific end use(s)**

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Maximum airborne concentrations at the workplace:**

Substance	Type	mg/m ³	ppm	Dust fract.	Fibre/m ³
Aerosol - inhalable fraction		10,0			

The aerosol limit specified is a recommendation should aerosol be formed during processing.

8.2 Exposure controls**8.2.1 Exposure in the work place limited and controlled****General protection and hygiene measures:**

Do not eat or drink when handling.

Safety Data Sheet

Material: 60130899

BQ 6999 (ULS)
(Scale-up Product)

Version 1.13 (GHS_INT)

Print Date 08.05.2026

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Further information for system design and engineering measures

No special measures required.

Personal protection equipment:**Respiratory protection**

No personal respiratory protective equipment normally required.

Eye protection

protective goggles, according to acknowledged standards such as EN 166.

Hand protection

Use of protective gloves is recommended when handling the material, according to recognized standards such as EN374.

For the choice of suitable gloves, workplace conditions have to be considered, like e.g. handling of other substances and materials.

Recommended glove types: Rubber gloves

Skin protection

Wear suitable protective clothing and gloves.

8.2.2 Exposure to the environment limited and controlled

Prevent material from entering sewers or surface waters.

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

Property:	Value:	Method:
Appearance		
Physical state	liquid	
Colour.....	milky white	
Odour		
Odour	weak	
Odour limit		
Odour limit.....	no data available	
pH-Value		
pH-Value	4 - 6 (47,0 %)	(DIN/ISO 976)
Melting point/freezing point		
Melting point / melting range	0 °C at 1013 hPa	(Lit.)
Initial boiling point and boiling range		
Boiling point / boiling range	100 °C at 1013 hPa	
Flash point		
Flash point.....	not applicable	
Evaporation rate		
Evaporation rate	no data available	
Upper/lower flammability or explosive limits		
Lower explosion limit	not applicable	
Upper explosion limit	not applicable	
Vapour pressure		
Vapour pressure.....	18,62 mmHg at 21 °C	
Solubility(ies)		
Water solubility	partly soluble	
Vapour density		
Relative gas/vapour density	no data available	
Relative Density		
Relative Density	1,06 - 1,08	(ISO 2811)
	(Water / 4 °C = 1,00)	
Density	1,06 - 1,08 g/cm ³	(ISO 2811)
Partition coefficient: n-octanol/water		
Partition coefficient: n-octanol/water.....	no data available	

Safety Data Sheet

Material: 60130899

BQ 6999 (ULS)
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Auto-ignition temperature

Ignition temperature: Not applicable.

Decomposition temperature

Thermal decomposition: no data available

Viscosity

Viscosity, dynamic.....: 200 - 800 mPa.s at 25 °C

(DIN EN ISO 2555)

Viscosity, kinematic.....: no data available

Molecular mass

Molecular mass: not applicable

9.2 Other information

No data available.

SECTION 10: Stability and reactivity**10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

If stored and handled properly: none known. Acetic acid at increased temperature.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****11.1.1 Acute toxicity****Product details:**

Exposure routes	Result/Effect
Oral	LD50 > 5000 mg/kg (LD50 cut-off according ATC method) Species: Rat, Method: OECD 423, Source: Conclusion by analogy

11.1.2 Skin corrosion/irritation**Assessment:**

Based on the available data a clinically relevant skin irritation hazard is not expected.

Product details:

No skin irritation (Species: human keratinocytes, Method: OECD 439, Source: Conclusion by analogy)
No skin irritation (Species: Rabbit, Method: OECD 404, Source: Conclusion by analogy)

11.1.3 Serious eye damage/eye irritation**Assessment:**

Based on the available data a clinically relevant eye irritation hazard is not expected.

Product details:

No eye irritation (Method: OECD 492, Source: Conclusion by analogy)
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Safety Data Sheet

Material: 60130899

BQ 6999 (ULS)
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Version 1.13 (GHS_INT)

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No eye irritation
(Species: Rabbit, Method: OECD 405, Source: Conclusion by analogy)

11.1.4 Respiratory or skin sensitization

Assessment:

Based on the available data a sensitization reaction is not expected from this product.

Product details:

Exposure routes	Result
Inhalation	No data available.

11.1.5 Germ cell mutagenicity

Assessment:

Based on known data a significant mutagenic potential may be excluded.

negative
(Test system: mutation assay (in vitro) / bacterial cells, Method: OECD 471, Source: Conclusion by analogy)

11.1.6 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.7 Reproductive toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Specific target organ toxicity - single exposure

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity - repeated exposure

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard

Assessment:

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

11.2.2 Further toxicological information

No information on damage to health during manufacture and use.

SECTION 12: Ecological information

12.1 Toxicity

Assessment:

Harmful effects to aquatic organisms cannot be excluded. According to current knowledge adverse effects on water purification plants are not expected.

Safety Data Sheet

Material: 60130899

**BQ 6999 (ULS)
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Product details:

Result/Effect	Species/Test system	Source
EC10: > 1000 mg/l	activated sludge (0,5 h)	Conclusion by analogy

12.2 Persistence and degradability**Assessment:**

Polymer component: Not readily biodegradable. Elimination by adsorption to activated sludge. Separation by flocculation is possible.

12.3 Bioaccumulative potential**Assessment:**

No adverse effects expected.

12.4 Mobility in soil**Assessment:**

No adverse effects expected.

12.5 Results of PBT and vPvB assessment

PBT assessment

No data available.

vPvB Assessment

No data available.

12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

none known

SECTION 13: Disposal considerations**13.1 Waste treatment methods****13.1.1 Material**

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

13.1.2 Uncleaned packaging

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

Recommended cleaning agent:

water

SECTION 14: Transport information**14.1 UN number or ID number**

ADR: Not applicable

RID: Not applicable

IMDG: Not applicable

ICAO/IATA: Not applicable

Safety Data Sheet

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**BQ 6999 (ULS)
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14.2 Proper shipping name

ADR: Not applicable
RID: Not applicable
IMDG: Not applicable
ICAO/IATA: Not applicable

14.3 Transport hazard class

ADR: Not applicable
RID: Not applicable
IMDG: Not applicable
ICAO/IATA: Not applicable

14.4 Packing group

ADR: Not applicable
RID: Not applicable
IMDG: Not applicable
ICAO/IATA: Not applicable

14.5 Environmental hazards

Environmentally hazardous: no

14.6 Special precautions for user

Relevant information in other sections has to be considered.

14.7 Maritime transport in bulk according to IMO instruments

Bulk transport in tankers is not intended.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

15.2 Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

Japan: **ENCS** (Handbook of Existing and New Chemical Substances):
This product is not listed or in compliance with the substance inventory.

New Zealand: **NZIoC** (New Zealand Inventory of Chemicals):
This product is listed in, or complies with, the substance inventory.

Australia: **AIIC** (Australian Inventory of Industrial Chemicals):
This product is listed in, or complies with, the substance inventory.

China: **IECSC** (Inventory of Existing Chemical Substances in China):
This product is listed in, or complies with, the substance inventory.

Canada: **DSL** (Domestic Substance List):
This product is listed in, or complies with, the substance inventory.

Philippines: **PICCS** (Philippine Inventory of Chemicals and Chemical Substances):
This product is not listed or in compliance with the substance inventory.

United States of America (USA): **TSCA** (Toxic Substance Control Act Chemical Substance Inventory):
All components of this product are listed as active or are in compliance with the substance inventory.

Taiwan: **TCSI** (Taiwan Chemical Substance Inventory):
This product is listed in, or complies with, the substance inventory. General note:
The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.

Safety Data Sheet

Material: 60130899

BQ 6999 (ULS)
(Scale-up Product)

Version 1.13 (GHS_INT)

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European Economic Area (EEA)..... : **REACH** (Regulation (EC) No 1907/2006):
General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.

South Korea (Republic of Korea) : **AREC** (Act on Registration and Evaluation of Chemicals; "K-REACH"):
Please approach your regular contact for more detailed information.

SECTION 16: Other information

16.1 Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

16.2 Further information:

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

- End of Safety Data Sheet -