

Safety Data Sheet

COMPLEX BENZOATE AND SORBATE - AQUAGUARD NK12

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

1.1 Product identifier

Trade name: AQUAGUARD NK12
Substance/Mixture: Mixture

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

Relevant identified uses: Preservatives for cosmetics.

1.3 Details of the supplier of the safety data sheet

Name: Ekokoza s.r.o
Street: Fryčovice 297, 73945,
Postcode/City: Fryčovice
Country: ID: 07508247,
Phone: eshop@ekokoza.cz
By email:

1.4 Telephone number for emergencies

Phone: Toxicology Information Center, Clinic of Occupational Medicine, General University Hospital in Prague (non-stop): +420 224 91 92 93, +420 224 91 54 02

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) 1272/2008 [CLP]

Eye Irritation. 2 H319: Causes serious eye irritation.

2.2 Marking elements

pictograms indicating danger



Signal word

Warning

Hazard statements

H319: Causes serious eye irritation.

Instructions for safe handling

P264: Wash hands thoroughly after handling

P280: Wear protective gloves/protective clothing/safety glasses/face shield.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if worn and if they can be removed easily. Continue rinsing.

P337+P313: If eye irritation persists: Get medical attention/treatment.

2.3 Another danger

no data available.

Results of PBT and vPvB assessment

The substances contained in the mixture do not meet the criteria/PBT vPvB according to the REACH Regulation, Annex XIII.

Endocrine-disrupting properties

They are not known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Trade name: AQUAGUARD NK12

Substance name (CAS No.) {EC} [REACH No.]	%	Classification in accordance with Regulation (EC) 1272/2008 [CLP]	Type
Sodium benzoate (24634-61-5) {208-534-8} [01-2119460683-35-XXXX]	30	Eye Irritation. 2; H319	[1]
Potassium (E,E)-hexa-2,4-dienoate (24634-61-5) {246-376-1} [01-2119950315-41-XXXX]	15	Eye Irritation. 2; H319 Full text of H- and EUH: see chapter 16.	[1]

Type: [1] Component [2] Impurity, [3] Stabilizer

SECTION 4: First aid measures

4.1 Description of first aid

Inhalation

Move the person to fresh air and keep them in a position that facilitates breathing.
Seek medical attention/treatment.

Skin contact

Wash with plenty of soap and water.
Seek medical attention/treatment.

Eye contact

IF IN EYES: Rinse carefully with water for several minutes. Remove contact lenses, if worn and if they can be removed easily. Continue rinsing.

Seek medical attention/treatment.

Following ingestion

After ingestion: rinse the mouth. Do not induce vomiting.

To drink a lot of water.

Seek medical attention/treatment.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Follow the symptoms.

SECTION 5: Firefighting measures

- 5.1** Fire extinguishers
Suitable extinguishing agents: Water jet, Extinguishing powder, Foam, Carbon dioxide (CO₂).

Unsuitable extinguishing media: Full stream of water.
- 5.2** **Special hazards arising from the substance or mixture**
In case of fire, the following can be produced: Toxic gas.
Do not allow extinguishing water to enter rivers or drains.

Hazardous decomposition products: See section 10.6
- 5.3** **Instructions for firefighters**
Wear self-contained breathing apparatus and chemical protective clothing.
Collect contaminated firefighting water.

SECTION 6: Accidental release measures

- 6.1** **Personal protection measures, protective equipment and emergency procedures**
Wear respiratory protection. Ensure adequate ventilation.
Safe handling: See point 7
Personal protective equipment: see chapter 8
- 6.2** **Environmental protection measures**
Avoid entry into surface water or drains.
In case of spillage or spillage into waterways, soil or sewers, notify appropriate authorities.
- 6.3** **Methods and material for containment and cleaning up**
Clean mechanically, place the material in suitable containers for disposal. Ensure adequate ventilation.
- 6.4** **Link to other sections**
Personal protective equipment: see chapter 8.
Disposal: see chapter 13.

SECTION 7: Handling and storage

- 7.1** **Precautions for safe handling**
Instructions for safe handling: Personal protective equipment: see chapter 8
Avoid contact with skin, eyes and clothing. Do not breathe mist/vapours/aerosols. Do not eat, drink or smoke while using this product. Keep the package tightly closed.

Measures to prevent fire: Usual preventive fire protection measures. Keep away from sources of ignition - No smoking.
Take precautions against static electricity. Use explosion-proof electrical equipment.

Dust Explosiveness: No other relevant information is available.
- 7.2** **Conditions for safe storage of substances and mixtures, including incompatible substances and mixtures**
Technical measures and storage conditions: Keep the package tightly closed in a cool, well-ventilated place. Take precautions against static electricity.
Protect from direct sunlight.
Do not store at temperatures below: 5 °C

Advice on shared storage: Keep separate from: Food, Incompatible materials, Oxidizing agent, Bases

Other: Stable under recommended storage and handling conditions.

7.3 Specific end/specific end uses
Preservatives for cosmetics.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Workplace exposure limits
no data available.

DNEL (Human Health)

Substance name: Sodium benzoate					
Method of exposure	Acute effects		Chronic effects		
	Local	Systemic	Local	Systemic	
Inhalation			0.1 mg/m ³	3 mg/m ³	Workers
cutaneous				62.5 mg/kg bw/day	
Inhalation			0.06 mg/m ³	1.5 mg/m ³	Consumers
cutaneous				31.25 mg/kg bw/day	
oral				16.6 mg/kg bw/day	

PNEC (organic)

Substance name: Sodium benzoate	
Targeted environmental protection	PNEC
freshwater	0.13 mg/l
seawater	0.013 mg/l
from wastewater treatment plants (WTP)	10 mg/l
freshwater, sediment	1.76 mg/kg dwt
sea water, sediment	0.176 mg/kg dwt
soil	0.276 mg/kg dwt

8.2 Limiting exposure
Appropriate technical controls
Ensure adequate ventilation.
Make sure an eyewash is available.

Personal protection

Respiratory protection: Wear breathing apparatus in case of exposure to vapors/dust/aerosol. Half-Face Mask: Filter Type: type A EN 136/140/145/143/149

hand protection: Use protective gloves. The quality of chemically resistant protective gloves must correspond to the specific concentration at the workplace and the level of exposure to hazardous substances. It is advisable to check the chemical resistance of protective gloves with the supplier of these gloves.

Suitable eye protection: Glasses with side protection. EN166

Skin protection: Protective clothing is essential to protect against direct skin contact. The type of protective equipment must be chosen according to the concentration and quantity of the hazardous substance at the relevant workplace.

Advice on general hygiene: Do not inhale dust/mist.
Avoid contact with skin, eyes and clothing.
Do not eat, drink or smoke while using this product.
Wash hands before breaks and after work.
Wash contaminated clothing before reuse.

Environmental protection measures

General advice: Avoid entry into surface water or drains. In case of spillage or spillage into waterways, soil or sewers, notify appropriate authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state of the substance:	liquid
Color:	colorless / yellow
Odor:	no data available.
aroma threshold:	no data available.
Melting point:	no data available.
Boiling point or initial boiling point and boiling range:	no data available.
Combustibility:	no data available.
Lower and upper explosion limits:	no data available.
Point of ignition:	no data available.
Auto-ignition temperature:	no data available.
Decomposition temperature:	no data available.
pH:	7.7 (20 °C, 1% aq)
Kinematic viscosity:	no data available.
Solubility	miscible. (water)
Partition coefficient n-octanol/water:	no data available.
Relative density:	1.17
Vapor pressure:	no data available.
vapor density:	no data available.
bulk density:	no data available.
Characteristics of particles	no data available.

9.2 More information

no data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

In case of insufficient ventilation and/or during use, may form flammable/explosive vapor/air mixtures.

10.4 Conditions to avoid

Heat

10.5 Incompatible materials

Chemicals to avoid:

Oxidizing agent, Acids, Bases

10.6 Hazardous decomposition products

In the event of fire, the following may be

formed: Carbon dioxide (CO₂)

Carbon dioxide

pyrolysis products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Not

classified based on available information.

Substance name (CAS No.) {EC} [REACH No.]	Result	Species	Dose
Sodium benzoate (24634-61-5) {208-534-8} [01-2119460683-35-XXXX]	LD50: oral LD50: dermal LD50: Inhalation	Rat Rat Rat	>2000 mg/kg >2000 mg/kg 12.2 mg/L (dust/mist)
Potassium (E,E)-hexa-2,4- dienoate (24634-61-5) {246-376-1} [01-2119950315-41-XXXX]	LD50: dermal LD50: Inhalation	Rat Rat	>2000 mg/kg 5.15 mg/L (dust/mist)

Skin corrosion/irritation Not

classified based on available information.

Serious eye damage/eye irritation Eye

Irrit. 2 H319: Causes serious eye irritation.

Respiratory sensitization Not

classified based on available information.

Germ cell mutagenicity Not classified
based on available information.

In vivo mutagenicity/genotoxicity
no data available.

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

Specific target organ toxicity (single exposure)
Not classified based on available information.

Specific target organ toxicity (repeated exposure)
Not classified based on available information.

Aspiration hazard Not
classified based on available information.

11.2 Information on other hazards
Endocrine-disrupting properties no data available.

More information
no data available.

SECTION 12: Ecological information

12.1 Toxicity
Not classified based on available information.

Substance name (CAS No.) {EC} [REACH No.]	Result	Species	Dose
Sodium benzoate (24634-61-5) {208-534-8} [01-2119460683-35-XXXX]	LC50: 96 h EC50: 96 h EC50: 72h	Pimephales promelas Daphnia magna (Big water flea) Eyelashes	484 mg/L >100 mg/L >30.5 mg/L
Potassium (E,E)-hexa-2,4-dienoate (24634-61-5) {246-376-1} [01-2119950315-41-XXXX]	LC50: 96 h EC50: 48 h	Oncorhynchus mykiss (rainbow trout) Daphnia magna (Big water flea)	>1000 mg/L 982 mg/L

12.2 Persistence and degradability
Sodium benzoate: Readily biodegradable (according to OECD criteria). 94%/28d Potassium (E,E)-
hexa-2,4-dienoate: Readily biodegradable (according to OECD criteria).

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

12.7 Other adverse effects

Additional ecotoxicological information: Avoid entry into surface waters or sewers.

SECTION 13: Disposal considerations

13.1 Waste management methods

Further disposal recommendations

Dispose of product and packaging in accordance with local and national regulations. Do not dispose of with household waste. Avoid entry into surface water or drains.

SECTION 14: Transport information

	ADR/RID/DOT(US)		IMDG		IATA	
14.1 UN number						
14.2 Official (UN) shipping name	Not classified based on available information.		Not classified based on available information.		Not classified based on available information.	
Transport hazard class(es) 14.3						
14.4 Packaging group						
14.5 Environmental hazard						
Additional information	Transport category:					
	Restriction code for tunnels:					
	Identification number danger:					

14.6 Special safety measures for users

No other relevant information is available.

14.7 Maritime bulk transport according to IMO instruments

not usable.

SECTION 15: Regulatory Information

Safety data sheet according to Regulation (EC) 1907/2006 (REACH)

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

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso III-Directive]
no data available.

15.2 Chemical safety assessment

No other relevant information is available.

SECTION 16: Further information

The above information is believed to be correct but may not be complete and should be used as a guide only. ISCA UK Ltd shall not be liable for any damage resulting from handling or contact with the above product.

Relevant H- and EUH-phrases (number and full text)

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

Full text of another abbreviation

dwt Dry weight

EUH071 EUH071: Causes respiratory irritation

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Revision history

Check date	Data on changes
09-01-2023	New SDS created. (2020/878)
Version V4.0 V4.010-02-2023	Updated sections: 3.2