



1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1. Product name: Claris-p, Claris-p30, Claris-p50, Claris-p70
1.2. Product use: Clarification and stabilization of protein adsorption in wine and fruit juices
1.3. Producer: BENTOPRODUCT d.o.o.
Sokolac bb
70270 Šipovo
Bosna i Hercegovina
1.4. Emergency information: Coordinator for BP CLARIS: Irena Bijelić +387 65 519 214

2. COMPOSITION / INFORMATION ON INGREDIENTS

- 2.1. Chemical name of the material: Bentonite
2.2. Chemical composition: Natural aluminum hydrosilicate, $Al_2(OH)_2[Si_4O_{10}] + nH_2O$.

3. HAZARDS IDENTIFICATION

3.1. Human health

Claris-p is harmless if used properly. However, the following should be pointed out:

Inhalation: Much inhalation may irritate nos and upper airways.

Skin contact: May cause dried and cracked skin.

Eye contact: Long term or repeated contact may cause irritation.

Ingestion: Not harmful in small quantities. Large quantities may cause gastrointestinal problems.

3.2. Environment

Properly used bentonite is not harmful to the environment.

3.3. Physical and chemical hazards

None.

4. FIRST AID MEASURES

After inhalation: REMOVE from the source of dust. Call doctor if necessary.

After contact with skin: Wash the place of contact with water.

After contact with eyes: Rinse out eyes with water for at least 15 min. Lift eye lids with clean fingers and circle the eyes in all directions so that water reaches all parts of the eye.

After ingestion: Rinse mouth with water.

5. FIRE FIGHTING MEASURES

Claris-p is not flammable.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions

Do not inhale the dust.

6.2. Environmental Precautions

No specific measures.

6.3. Cleaning method

Uncontaminated part of material remove from the contaminated and use normally. Remove mechanically contaminated part in dry state and dispose it in the landfill for industrial waste.

7. HANDLING AND STORAGE

Closed bags keep in dry place .

Packaging material: PVC bags.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Engineering measures to reduce exposure

Prevent high concentrations of dust/aerosol and provide local ventilation.

8.2. Control parameters

Hazardous substance name	CAS number	Maximum concentration allowed ppm	mg/m ³
Crystalline SiO ₂ in the form of quartz	14808-60-7	MDK	0,1 R*

* Refers to respirable dust

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8.3. Personal protection

Use appropriate respirator, if dust appears.
Wear protective gloves if dust appears.
Use safety glasses to protect eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	solid substance
Form	powder and fine granules
Colour	grey - beige
Odour	none
pH-value (6 % water solution, 20 °C)	8,5 - 11,0
Melting point °C	> 1.000
Flash point °C	not applicable
Explosion limits vol.%	not applicable
Oxidising properties	none
Relative density g/cm ³	2,6
Bulk density kg/m ³	500-1100
Solubility (water, 20° C) g/l	creates suspension

10. STABILITY AND REACTIVITY

Product is stable if stored, handled and used properly.

10.1. Dangerous reactions

Not determined.

10.2. Hazardous decomposition products

Not determined.

10.3. Materials to avoid

Not determined.

11. TOXICOLOGICAL INFORMATION

11.1. Sensitization

Not determined. See chapter 3.

11.2. Acute toxicity

Non-toxic. Bentonite is used for the production of animal feed for cattle and poultry.

11.3. Additional toxicological instructions

According to our experience and information we were provided with, when handled and used properly, it does not have any harmful effects to your health. The product is not subject to an obligation of special labeling in accordance with EU regulations.

12. ECOLOGICAL INFORMATION

12.1. Mobility

No data available.

12.2. Persistence/ Degradability

The product is of mineral origin and is not biodegradable.

12.3. Ecotoxicological Information

None. Bentonite is used for wastewater treatment.

13. DISPOSAL CONSIDERATION

13.1. General

With possible previous treatment waste can be disposed to landfill for industrial waste.

13.2. Contaminated packaging

After emptying and cleaning the containers can be re-used.

14. TRANSPORT INFORMATION

14.1 Classification codes for transport

Claris-p is not classified, which means it is considered harmless in terms of UN regulations on the transport of hazardous materials, and the rules of international road (ADR), rail (RID) and maritime (IMDG) traffic.

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Document title
**MATERIAL SAFETY DATA SHEET FOR
CHEMICAL PRODUCTS
CLARIS-P, CLARIS-P30, CLARIS-P50, CLARIS-P70**

Sheet
3/3
Date
22.08.2013.

15. REGULATORY INFORMATION

15.1. Applicable regulations

- Rulebook on Method of Chemicals Safety Assessment and Chemical Safety Report Form, as well as Proposal of Measures for Chemicals Risk Reduce and Control (RS Official Gazette 99/09).
- Council Instructions No. 91/414/EEC.
- Rulebook on Sorts of Waste and Waste Management Activities Requiring Permits, (RS Official Gazette 39/05, Amendments and Supplements, RS Official Gazette 3/07).
- Rulebook on Classification, Packaging and Notation of Chemicals and Certain Products, (RS Official Gazette 50/100).
- Rulebook on Contents of the Technical-Safety Sheet (RS Official Gazette 100/10); Instruction on the Method of Drawing-Up (RS Official Gazette 100/10).
- Law on Chemicals (RS Official Gazette 25/09).
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16. ADDITIONAL INFORMATION

16.1. Literature

Manufacturing documentation.

Note: This document has been prepared on the basis of EN ISO 11014:2009.

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