SECTION 1. Identification of the substance/mixture and of the company/enterprise

1.1. Product identifier

Product name : QUICKGEL AF
Product code: refer to sales department

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

Clarifying Agents
Sectors of use:
Industrial Manufacturing[SU3], Manufacture of food products[SU4], Public domain (administration, education, entertainment, services, craftsmen)[SU22]
Product category:
Process aid for enological use
Not recommended uses
Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

AEB BIOCHEMICAL USA
111 N Cluff Avenue
Lodi CA 95240 (USA)
Tel: +1 2096258139 Fax: +1 2092248953
Email: info@aebusa.com - Internet: www.aeb-group.com

Produced by
AEB FRANCE Sarl - 10, rue du Stade - 68240 SIGOLSHEIM, France

1.4. Emergency telephone number

Centralino/Switchboard/Telefonzentrale: +1 2096258139

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:
Non hazardous
Pictograms:
None
Hazard Class and Category Code(s):
Non hazardous
Hazard statement Code(s):
Non hazardous

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:
Pictogram, Signal Word Code(s):
None
Hazard statement Code(s):
Non hazardous
Supplemental Hazard statement Code(s):
not applicable
Precautionary statements:
None in particular.
Contains:
ACTIVATED BENTONITE, PORK GELATIN, YEAST CELL WALL, SILICA GEL
Only for professional use
For limited use in foodstuffs: enological use

2.3. Other hazards

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII
No information on other hazards

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

No dangerous substance to report.

Substance	Concentration	Classification	Index	CAS	EINECS	REACh
ACTIVED BENTONITE	> 50 <= 100%			1302-78-9	215-108-5	
PORK GELATIN	> 20 <= 30%					
SILICA GEL	> 0,1 <= 1%			112926-00-8	231-545-4	01-2119379499-16-XXXX

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:
Ventilate the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.
Direct contact with skin (of the pure product).:
Wash thoroughly with soap and running water.
Direct contact with eyes (of the pure product).:
Wash immediately and thorougly with running water for at least 10 minutes.
Ingestion:
Not hazardous. It's possible to give activated charcoal in water or medicinal mineral vaseline oil.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suggested extinguishing media:
Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.
Extinguishing media to avoid:
Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus
Safety helmet and full protective clothing.
The water spray can be used to protect the people involved in the extinction.
You may also use self-contained breathing apparatus, especially when working in confined and poorly ventilated areas and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)
Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:
Leave the area surrounding the spill or release. Do not smoke
Wear gloves and protective clothing
6.1.2 For emergency responders:
Eliminate all unguarded flames and possible sources of ignition. No smoking.
Privide a sufficient ventilation.
Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spills
Inform the competent authorities.
Dispose of the waste material in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 Containment:
Recover the product for reuse, if possible, or for elimination.
6.3.2 Cleaning up:
After wiping up, wash with water the area and materials involved
6.3.3 Other information:
None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

At work do not eat or drink.
See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabelled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool and dry place, away from heat sources and direct exposure to sunlight.

7.3. Specific end use(s)

Industrial Manufacturing:
Handle with extreme caution.
Store in a well ventilated place away from heat sources.
Manufacture of food products:
Handle with care.
Store in a clean, dry, ventilated area away from heat and direct sunlight.
Keep container tightly closed.
Public domain (administration, education, entertainment, services, craftsmen):
Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

==========

Related to contained substances:
ACTIVED BENTONITE:
Exposure limit value for dust (inhalable fraction): 3 mg/m³
Exposure limit value for dust (respirable fraction): 10 mg/m³
Respirable crystalline silica social dialogue
A multi sectoral social dialogue on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it (protection of workers ' health through proper use and handling of crystalline silica and products containing) was signed on April 25, 2006.
This agreement, which receives financial support from the European Commission, is based on a guide to good practices (Good Practice Guides).
The operating agreement from October 25, 2006. The agreement was published in the Official Journal of the European Union (Official Journal of the European Union) 2006/C 279/02.
The text of the agreement and its annexes, including the Good Practice Guide, are available on http://www.nepsi.eu and provides useful information and guidance for the handling of products containing respirable crystalline silica.
SILICA GEL:
Amorphous Silica, total inhalable dust: UK EH40: WEL 6 mg/m³ 8:0 TWA.
Amorphous Silica dust, respirable: UK EH40: WEL 2.4 mg/m³ 8:0 TWA.
Silica, amorphous precipitated Silica and silica-gel: ACGIH TLV: 2006
Amorphous Silica-Silica precipitated: OSHA PEL: 6 mg/m³ 8:0 TWA
Derived no-effect (DNEL): long term Workers-local effects
Inhalation: 4 mg/m³
Risk management measures (RMM) for the uses identified must be implemented as described in the present SDS.
PNEC (fresh) water n PNEC quantifiable because of high tolerance in acute tests.
PNEC water (marina) n/a PNEC quantifiable because of high tolerance in acute tests.
PNEC Water (intermittent) n PNEC quantifiable because of high tolerance in acute tests.
PNEC sediments No thanks PNEC quantifiable high tolerance in acute tests.
PNEC land not applicable
PNEC purification processes not applicable
PNEC secondary poisoning (oral) 60,000 mg/kg food

8.2. Exposure controls

Appropriate engineering controls:
Industrial Manufacturing:
No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)
Manufacture of food products:
No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)
Public domain (administration, education, entertainment, services, craftsmen):
No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)
Individual protection measures:
(a) Eye / face protection
When handling the pure product use safety glasses (spectacles cage) (EN 166).
(b) Skin protection
(i) Hand protection
When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)
(ii) Other
When handling the pure product wear full protective skin clothing.
(c) Respiratory protection
Not needed for normal use.Not required when proper ventilation is provided. Alternatively use protective mask.
(d) Thermal hazards
No hazard to report
Environmental exposure controls:
==========
Related to contained substances:
ACTIVED BENTONITE:
Provide proper ventilation and filtration in workplaces where dust may occur. Wash your hands before and intervals at

the end of the workday. Remove and wash the dirty clothes.
-respiratory protection: in case of prolonged exposure to dust wear personal respiratory protection in accordance with national legislation (refer to the appropriate CEN standards)
SILICA GEL:
Wear protective devices comply with good employment
hygiene practice. Do not eat, drink or smoke in the workplace.
Checks of technical methods to prevent or control exposure are preferred. The methods include process or personnel, mechanical ventilation (dilution and local exhaust), and control of process conditions.
Personal protection:
Respiratory protection: avoid inhalation of dust. Wear respiratory protection equipment when working in confined spaces with inadequate ventilation or when there is a risk that the exposure limits are exceeded. Advice on respiratory protective equipment given in the (Health and Safety Executive) HSE publication HS (G) 53.
Eye/face protection: safety glasses.
Skin protection: wear protective clothing and gloves (rubber or plastic, For example EN374-3). Wear appropriate clothes.
Environmental exposure: avoid formation of dust

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Light gray Fine powder	
Odour	not determined	
Odour threshold	not determined	
pH	8,5 ± 0,5 (20°C; sol. 2%)	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	not determined	
Flash point	irrelevant	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	irrelevant	
Upper/lower flammability or explosive limits	irrelevant	
Vapour pressure	irrelevant	
Vapour density	irrelevant	
Relative density	0,60 ± 0,05 (20°C)	
Solubility	in water	
Water solubility	partially soluble	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	irrelevant	
Decomposition temperature	irrelevant	
Viscosity	not determined	
Explosive properties	irrelevant	
Oxidising properties	irrelevant	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = ∞
ATE(mix) dermal = ∞
ATE(mix) inhal = ∞
(a) acute toxicity: based on available data, the classification criteria are not met.
(b) skin corrosion/irritationbased on available data, the classification criteria are not met.
(c) serious eye damage/irritation: based on available data, the classification criteria are not met.
(d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
(e) germ cell mutagenicity: based on available data, the classification criteria are not met.
(f) carcinogenicity: based on available data, the classification criteria are not met.
(g) reproductive toxicity: based on available data, the classification criteria are not met.
(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
(i) specific target organ toxicity (STOT) repeated exposurebased on available data, the classification criteria are not met.
(j) aspiration hazard: based on available data, the classification criteria are not met.
Health Hazards:
Eye contact: Accidental contact of product with eyes may cause irritation.
Skin Contact: Product is not an irritant. Prolonged or repeated contact may defeat and irritate the skin and cause dermatitis in some cases.
Ingestion: The ingested product may cause irritation of the mucous membranes of the throat and digestive system leading to digestive symptoms and abnormal bowel disorders.
Inhalation: Prolonged exposure to vapours or mists of product may cause respiratory irritation.
==========
Related to contained substances:
ACTIVED BENTONITE:
Acute effects
Contact with eyes: moderately irritating (class 4) according to the Calender changed policy Kay &
Contact with skin: non-irritating

Chronic effects

In 1997 IARC (International Agency for Research on Cancer) concluded that crystalline silica from occupational sources inhaled can cause lung cancer in humans. However indicate that not all industrial situations and that not all types of crystalline silica were indicted. (IARC Monographs on the evaluation of the condition of chemical risks to humans, silicates, Silica dust and organic fibres, 1997, vol. 68, IARC, Lyon, France)
In June 2003, SCOEL (the European Commission Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans by inhalation of respirable crystalline silica dust silicosis.
There is enough information to conclude that the relative risk of lung cancer increased in persons with silicosis (and, apparently, not employees without silicosis exposed to silica dust in quarries and in ceramics industry). Thus preventing the advent of silicosis will also reduce the risk of cancer (SCOEL SUM Doc 94-final, June 2003)
There are evidences that support the increased risk of cancer would be limited to people already suffering from silicosis. The protection of workers against silicosis should be ensured by observance of the regulations on Occupational exposure limit, and when necessary, in the presence of additional risks, implemented by measures directives.
SILICA GEL:
Ingestion: The lethal dose for humans for synthetic amorphous silica estimated over 15,000 mg/kg. Synthetic amorphous silica a food additive authorised in the United Kingdom, United States and many other countries.
Oral LD50 (rat) > 3100 mg/kg b.w.

Inhaling synthetic amorphous silica have little negative effect on the lungs and does not produce significant noise or toxic effects when exposure is kept below the allowed limits. However, existing medical conditions (e.g. asthma, bronchitis) may be aggravated by exposure to the dust. Dust effects may be greater, and occur with low exposure levels in smokers than nonsmokers.

The powder comes into contact with the skin may have a drying effect. Dermal LD50 (rat) > 5000 mg/kg bodyweight.

Dust contact with eyes can cause discomfort and irritation.

Skin corrosion/irritation: non-irritating. Dust can have a drying effect on the skin.

Serious eye injury/irritation non-irritating.

Raising Non-sensitizing.

Mutagenicit no evidence of genotossicit. In vitro/in vivo negative.

Cancerogenicit IARC evaluation: amorphous silica not classifiable as to its cancerogenicit to humans (Group 3).

Reproductive toxic no evidence of toxic or toxic for reproductive development.

STOT single exposure-unclassified

-STOT repeated exposure studies with repeated doses orally were not associated with any evidence of target organ systemic toxic.

Oral (rat) NOAEL > 4000 mg/kg bw/d

SECTION 12. Ecological information

12.1. Toxicity

Use according to good working practices and avoid to disperse the product into the environment.

==========
Related to contained substances:
ACTIVED BENTONITE:
Non-specific adverse effects are known.
SILICA GEL:
Synthetic amorphous silica practically inert and has no known adverse effect on the environment.
Fish (Brachydanio rerio) LL50 (96 hours) > 10,000 mg/l
Aquatic invertebrates (Daphnia magna): EL50 (24 hours) > 10000 mg/l

12.2. Persistence and degradability

==========

Related to contained substances:
SILICA GEL:
inorganic

12.3. Bioaccumulative potential

==========

Related to contained substances:
ACTIVED BENTONITE:
Non-persistent, bioaccumulating not
SILICA GEL:
Inorganic. The substance has no bioaccumulation potential.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.
Recover if possible. Operate according to local or national regulations

SECTION 14. Transport information

14.1. UN number

Not included in the field of application of regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Transport in bulk is not foreseen

SECTION 15. Regulatory information

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

Leg. 3/2/1997 n. 52 (Classification, packaging and labeling of dangerous substances). Decree No. 14/3/2003. 65 (Classification, packaging and labeling of dangerous substances). Leg. 2/2/2002 n. 25 (risks related to chemical agents at work). Ministerial Decree Jobs 26/02/2004 (occupational exposure limits); DM 04/03/2007 (Implementation of Directive no. 2006/8/EC). Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP), Regulation (EC) n.790/2009.D.Lgs. September 21, 2005 n. 238 (Seveso Directive Ter).

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Classification based on data of all mixture components
Main normative references:
Directive 1999/45/EC.
Directive 2001/60/EC.
Regulation 1272/2008/EC.
Regulation 2010/453/EC.
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Changes to the previous edition: conformity Reg. 830