



SAFETY DATA SHEET according to EC Directive 2001/58/EC
Tonsil Optimum 215FF

Update
02.09.2004

Print Date
09.02.2009

Version
1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product information

Commercial Product Name : Tonsil Optimum 215FF

Company : Süd-Chemie AG
Business Unit Adsorbents and Additives
Ostenriederstrasse 15
85368 Moosburg

Telephone : +498761820
Telefax : +49876182169

Contact Point : BBA-D +49 8761/82-320

Emergency telephone number : +49 (0)613284463 only for working place emergency
(contact only in german or english)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : natural Ca-bentonite, acid-activated

Usage : Adsorbing medium for technical applications
Treatment of oils and fats in the foodstuffs industry

CAS-No. : 70131-50-9

Components	EINECS	Symbol(s)	R-phrases	Concentration
FREE CRYSTALLINE SILICA *) IN ALVEOLAR DUST	238-878-4			< 2,00 %
ALVEOLAR DUST < 7.1 µm				< 5,00 %
ALVEOLAR CONTENT OF CRYSTALLINE SILICA *) IN WHOLE PRODUCT				< 0,10 %

(* including quartz, cristobalite, tridymite)

3. HAZARDS IDENTIFICATION

Avoid inhalation and/or exceeding of occupational limit value.

4. FIRST AID MEASURES

General advice : none

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin contact : Wash off with soap and plenty of water.

Inhalation : Move to fresh air.

Ingestion : Rinse mouth.



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Notes to physician

Treatment : none

5. FIRE-FIGHTING MEASURES

Specific hazards during fire fighting : none
Special protective equipment for fire-fighters : none
Suitable extinguishing media : The product itself does not burn.
Use extinguishing measures appropriate to the environment.

Extinguishing media which must not be used for safety reasons : none

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Do not breathe dust.
Environmental precautions : No special environmental precautions required
Methods for cleaning up : Take up uncontaminated material and pass on for further processing.
Take up contaminated material by mechanical means, load into clean containers, and dispose of in accordance with legal regulations.

Additional advice : Avoid dust formation.

7. HANDLING AND STORAGE

Handling

Safe handling advice : Avoid formation of dust and aerosols.
Advice on protection against fire and explosion : No special precautions required.

Storage

Requirements for storage areas and containers : Keep container tightly closed and dry.
Advice on common storage : no restrictions

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional technical information on the plant : Local exhaust

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1**Components with workplace control parameters**

Components	CAS-No.	Value	Basis / Remarks
QUARTZ (ALVEOLAR CONTENT)*	14808-60-7	0,15 mg/m³	TRGS900 inhalable dust
limiting value of inert dust (alveolar content)		3 mg/m³	TRGS900 September 2001
limiting value of inert dust (breathable content)		10 mg/m³	TRGS900 September 2001

(* including cristobalit and tridymit)

Personal protective equipment

Respiratory protection : Dust-mask/filter P2
Hand protection : Chemical-resistant protective gloves according to EN 374, EN 388, EN 420
Eye protection : safety glasses
Skin and body protection : none
Hygiene measures : Wash off with warm water and soap.
Protective measures : Prophylactic use of protective ointment (barrier cream) is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : powder
Colour : white
Odour : none

Other data

melting point : n.a.
boiling point : n.a.
Flash point : n.a.
Ignition temperature : n.a.
Autoignition temperature : none
Upper explosion limit : n.a.
Lower explosion limit : n.a.
Vapour pressure : n.a.
Density : n.av.
Water solubility : insoluble
pH : 2,2 - 3,5
at 100 g/l
Method: Aqueous suspension
Oxidizing properties : Other data: none



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Explosive properties : Remarks: none

10. STABILITY AND REACTIVITY

Hazardous reactions
(Conditions to avoid) : None known.

Hazardous reactions
(Materials to avoid) : None known.

Information about
decomposition : No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity : LD50 rat
Dose: > 5.000 mg/kg
The product has not been tested in animal experiments. The toxicological data has been taken from products of similar composition.

Irritation, Sensitization, Other data Toxicology

Eye irritation : Result: moderately irritating to mucous membranes.

Sensitization : Result: not sensitizing

Repeated dose toxicity : no data available

Human experience : Dust may render the skin dry and chappy. In the event of long-term excess of the TLV value and extended inhalation effect, fine dust containing quartz may cause silicosis. Due to dust raising, light irritation of eyes and/or mucous membranes is possible.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Decomposition : Result: not biodegradable
Product is of mineral origin.

Ecotoxicity effects

Other data Ecotoxicity : no data available

Water contaminating class : (Selbsteinstufung nach VwVwS-Konzept)
NWG not water endangering

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1**13. DISPOSAL CONSIDERATIONS**

- Product : Contact waste disposal services. Can be landfilled or incinerated, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.
- Contaminated packaging : Can be re-used after emptying and cleaning.

14. TRANSPORT INFORMATION

- Land transport** : Not classified as dangerous in the meaning of transport regulations.
- Sea transport** : Not classified as dangerous in the meaning of transport regulations.
- Air transport** : Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

- General advice : The product does not need to be labelled in accordance with EC directives or respective national laws.

Hazardous components which must be listed on the label:

- Not applicable

- Other information : S22 - Do not breathe dust (manufacturer's recommendation)
Handle in accordance with good industrial hygiene and safety practice.

Notification status: substance

Components / CAS-No.	Registered in / No.	Status
BENTONITE, ACID - BLEACHED 70131-50-9	AICS	listed
	DSL	listed
	INV (CN)	listed
	TSCA	listed
	EINECS 274-324-8	listed
	KECI (KR) KE-02121	listed
	PICCS (PH)	listed



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	ENCS (JP)	natural occ. substance
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16. OTHER INFORMATION

Relevant R-Phrases acc. Chapter 2 and 3 : Not applicable

Responsible for SDS: Environmental Protection Contact person: Dep. CEQ Tel.: 08761/82-654

The information presented herein is believed to be accurate, but is not warranted.

It does not represent any assurance of properties of the product.

The specifications are to be drawn from the corresponding leaflet.

A vertical bar (|) in the left margin indicates an amendment from the previous version.

Legend

n.a.: not applicable

n.av.: not available

n.r.: not relevant