

Safety Data Sheet

according to 1907/2006/EC, 1272/2008/EC, and 2015/830/EC

Printing date: 16 October 2017

Revision: 16 October 2017

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

· 1.1 Product identifier

· Trade name: **Filter-Ag Plus**

· CAS number:

12173-10-3

· EC number:

215-283-8

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

· Application of the substance / the mixture:

Mixture of naturally occurring raw materials, sintered at high temperatures

· Uses advised against: No further relevant information available.

· 1.3 Details of the supplier of the Safety Data Sheet

· Manufacturer/Supplier:

Clack Corporation

4462 Duraform Lane

Windsor, WI 53598 USA

Tel: 608-846-3010

· Further information obtainable from:

Tel: +1 608-846-3010

Email: sds@clackcorp.com

· 1.4 Emergency telephone number:

ChemTel Inc.

(800)255-3924 (North America)

+1 (813)248-0585 (International)

United Kingdom

0845 46 47 (England and Wales)

08454 24 24 24 (Scotland)

0808 808 8000 (Northern Ireland)

(24 hours)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

The substance is not classified as hazardous according to the CLP regulation.

· Additional information: Long term inhalation of product dust may be harmful.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008 Not Regulated

· Hazard pictograms Not Regulated

· Signal word Not Regulated

· Hazard statements Not Regulated.

· Additional information:

Safety data sheet available on request.

· 2.3 Other hazards There are no other hazards not otherwise classified that have been identified.

· Results of PBT and vPvB assessment

· PBT: Not applicable.

(Cont'd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, 1272/2008/EC, and 2015/830/EC

Printing date: 16 October 2017

Revision: 16 October 2017

Trade name: Filter-Ag Plus

· **vPvB:** Not applicable.

(Cont'd. from page 1)

SECTION 3: Composition/information on ingredients

· 3.1 Substances

· CAS No. Description

12173-10-3 Clinoptilolite Zeolite/ Potassium, Calcium, Sodium Aluminosilicate


· Identification number(s)

· EC number: 215-283-8

· Components:

CAS: 14808-60-7

Quartz (SiO₂)

 Carc. 1A, H350i

<0,1%

EINECS: 238-878-4

· **Additional information:** For the wording of the listed Hazard Statements refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation is experienced, consult a doctor.

· After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

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

Gastric or intestinal disorders when ingested.

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

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **For safety reasons unsuitable extinguishing agents:** None.

· 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

· 5.3 Advice for firefighters

· Protective equipment:

Wear self-contained respiratory protective device.

(Cont'd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, 1272/2008/EC, and 2015/830/EC

Printing date: 16 October 2017

Revision: 16 October 2017

Trade name: Filter-Ag Plus

Wear fully protective suit.

(Cont'd. from page 2)

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
For large spills, wear protective clothing.
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions** No special measures required.
- **6.3 Methods and material for containment and cleaning up** Pick up mechanically.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Use only in well ventilated areas.
Prevent formation of dust.
Any unavoidable deposit of dust must be regularly removed.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Avoid storage near extreme heat, ignition sources or open flame.
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:**
Store away from oxidising agents.
Store away from foodstuffs.
- **Further information about storage conditions:**
Store inside. Keep out of sunlight. Sunlight exposure damages bags.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

14808-60-7 Quartz (SiO₂)

| | |
|---------------------|--|
| WEL (Great Britain) | Long-term value: 0,1 mg/m ³ respirable dust, averaged over 8 hours |
| OEL (Ireland) | Long-term value: 0,1 mg/m ³ |

- **DNELs:** No further relevant information available.

(Cont'd. on page 4)

Safety Data Sheet

according to 1907/2006/EC, 1272/2008/EC, and 2015/830/EC

Printing date: 16 October 2017

Revision: 16 October 2017

Trade name: Filter-Ag Plus

(Cont'd. from page 3)

- **PNECs:** No further relevant information available.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Do not inhale dust / smoke / mist.
- **Respiratory protection:**
 - Not required under normal conditions of use.
 - Use respiratory protection when grinding or cutting material.
 - Use suitable respiratory protective device when high concentrations are present.
 - P95 mask
- **Protection of hands:**



Protective gloves

Wear gloves for the protection against mechanical hazards according to NIOSH or EN 388.

- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment:**
 - No further relevant information available.
- **Risk management measures:** See Section 7 for additional information.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **Appearance**
 - Form:** Granulate
 - Colour:** According to product specification
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Melting point/freezing point:** Not determined.
- **Initial boiling point and boiling range:** Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gas):** Not applicable.
- **Auto/Self-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.

(Cont'd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, 1272/2008/EC, and 2015/830/EC

Printing date: 16 October 2017

Revision: 16 October 2017

Trade name: Filter-Ag Plus

(Cont'd. from page 4)

| | |
|--|---|
| · Explosive properties: | Product does not present an explosion hazard. |
| · Explosion limits | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| · Oxidising properties | Non-oxidising. |
| · Vapour pressure: | Not determined. |
| · Density at 20°C: | 2.2 - 2.4g/cm ³ |
| · Relative density: | Not determined. |
| · Vapour density: | Not determined. |
| · Evaporation rate: | Not determined. |
| · Solubility in / Miscibility with water: | Not miscible or difficult to mix. |
| · Partition coefficient: n-octanol/water: | Not determined. |
| · Viscosity | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.
- **10.4 Conditions to avoid** Prevent formation of dust.
- **10.5 Incompatible materials** No further relevant information available.
- **10.6 Hazardous decomposition products** Toxic metal oxide smoke

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:** None.
- **Primary irritant effect**
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

(Cont'd. on page 6)

Safety Data Sheet

according to 1907/2006/EC, 1272/2008/EC, and 2015/830/EC

Printing date: 16 October 2017

Revision: 16 October 2017

Trade name: Filter-Ag Plus

(Cont'd. from page 5)

· **IARC (International Agency for Research on Cancer):**

| | | |
|------------|----------------------------|---|
| 14808-60-7 | Quartz (SiO ₂) | 1 |
|------------|----------------------------|---|

· **Probable routes of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Generally not hazardous for water

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Smaller quantities can be disposed of with household waste.

Can be reused after reprocessing.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

(Cont'd. on page 7)

Safety Data Sheet

according to 1907/2006/EC, 1272/2008/EC, and 2015/830/EC

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Revision: 16 October 2017

Trade name: Filter-Ag Plus

(Cont'd. from page 6)

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number · ADR, IMDG, IATA | Not Regulated |
| · 14.2 UN proper shipping name · ADR, IMDG, IATA | Not Regulated |
| · 14.3 Transport hazard class(es) · ADR, IMDG, IATA · Class | Not Regulated |
| · 14.4 Packing group · ADR, IMDG, IATA | Not Regulated |
| · 14.5 Environmental hazards: · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |

SECTION 15: Regulatory information

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

| | |
|---|---|
| · IARC (International Agency for Research on Cancer) | |
| 14808-60-7 Quartz (SiO ₂) | 1 |

 - Directive 2012/18/EU
 - Named dangerous substances - ANNEX I Substance is not listed.
 - Other regulations, limitations and prohibitive regulations

| |
|--|
| · Substances of very high concern (SVHC) according to REACH, Article 57 |
| Substance is not listed. |
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H350i May cause cancer by inhalation.
- **Abbreviations and acronyms:**
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation

(Cont'd. on page 8)

Safety Data Sheet

according to 1907/2006/EC, 1272/2008/EC, and 2015/830/EC

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Revision: 16 October 2017

Trade name: Filter-Ag Plus

(Cont'd. from page 7)

IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bio-accumulable, Toxique
vPvB: very Persistent and very Bioaccumulative
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
Carc. 1A: Carcinogenicity – Category 1Ai

Sources

Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

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