

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 02/01/2019

Reviewed on 02/01/2019

1 Identification

- **Product Identifier**
- **Trade name:** 11-3-17 Absolute Flower
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description** PC12 Fertilizers
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
BeanStalk Ag
PO Box 6623
Santa Rosa, CA 95406

- **Emergency telephone number:** (707) 819-0187

2 Hazard(s) Identification

- **Classification of the substance or mixture:**
The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
- **Label elements:**
- **GHS label elements** Non-Regulated Material
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material
- **Unknown acute toxicity:**
10.2 % of the mixture consists of component(s) of unknown toxicity.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of the following components.

- **Dangerous Components:**

CAS: 7783-20-2 RTECS: BS 4500000	Ammonium Sulfate Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOTSE 3, H335	5-10%
CAS: 7720-78-7 RTECS: NO 8510000	iron(II) sulfate Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	5-10%
CAS: 1332-58-7	Kaolin	<2.5%

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4 First-Aid Measures

- **Description of first aid measures:**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of com plaints.
- **After skin contact:**
Generally the product does not irritate the skin.
Rinse with warm water.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
If eye irritation occurs, consult a doctor.
- **After swallowing:** If swallowed and symptom s occur, consult a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:**
Kaolin: Prolonged inhalation of excessive levels of kaolin m ay cause a benign pneumoconiotic condition, not norm ally associated with a decrement in lung function. In cases of long-term exposure to extremely high levels of dust, progressive fibrosis may occur with lung function impairment.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-Fighting Measures

- **Extinguishing media:**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam .
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters:**
- **Protective equipment:**
As in an y fire, wear self-contained breathing apparatus pressure-dem and (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Dispose of the collected material according to regulations.
- **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.

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None

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Specific end use(s): No further relevant information available.**8 Exposure Controls/Personal Protection**

- **Additional information about design of technical systems:** No further data; see section 7.

- **Control parameters:**

- **Components with occupational exposure limits:**

7783-20-2 Ammonium Sulfate	
PEL	Short-term value: 10 m g/m ³ Long-term value: 15 m g/m ³
7720-78-7 iron(II) sulfate	
REL	Long-term value: 1 m g/m ³ as Fe
TLV	Long-term value: 1 m g/m ³ as Fe
1332-58-7 Kaolin	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 2* m g/m ³ E; as respirable fraction

Additional information: The lists that were valid during the creation of this SDS were used as basis.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures: No special measures required.

Breathing equipment: Not required.

Protection of hands: Not required.

Material of gloves: Not required.

Penetration time of glove material: Not applicable.

Eye protection: Not required.

9 Physical and Chemical Properties**Information on basic physical and chemical properties****General Information****Appearance:**

Form:

Granulate W

Color:

Whitish

Odor:

Odor threshold:

Not determined.

- **pH-value:** Not applicable.
- **Change in condition**
 - Melting point/Melting range:** Not determined. 1689
 - Boiling point/Boiling range:** °C (3072 °F)
- **Flash point:** None
- **Flammability (solid, gaseous):** Not determined.

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- **Ignition temperature:** Not determined Not determined.
- **Decomposition temperature:** Product is not self-igniting.
- **Auto igniting:** Product does not present an explosion hazard.
- **Danger of explosion:**
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure:** Not applicable.
- **Density @ 20 °C (68 °F):** 1 g/cm³ (8.345 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not applicable.
- **Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with:**
 - Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not applicable.
 - Kinematic:** Not applicable.
- **Solvent content:**
 - Organic solvents:** 0.0 %
 - Solids content:** 100.0 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition/ conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information**Information on toxicological effects:****Acute toxicity:**

• LD/LC50 values that are relevant for classification:		
7783-20-2 Ammonium Sulfate		
Oral	LD50	2840 m g/kg (rat)
Inhalative	LC50/96 hours	36.7 m g/l (Trout) 433 m g/l (Water flea)
7720-78-7 iron(II) sulfate		
Oral	LD50	1520 m g/kg (mouse)

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- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
None of the ingredients are listed.
- **NTP (National Toxicology Program):**
None of the ingredients are listed.
- **OSHA-Ca (Occupational Safety & Health Administration):**
None of the ingredients are listed.

12 Ecological Information

- **Toxicity:**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods:**
- **Recommendation:**
Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number:**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:** Non-Regulated Material
- **DOT, ADR, IMDG, IATA**

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Transport hazard class(es):

- **DOT, ADR, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable. Non-Regulated Material
- **UN "Model Regulation":**

15 Regulatory Information. **Safety, health and environmental regulations/legislation specific for the substance or mixture:**. **SARA (Superfund Amendments and Reauthorization):**

■ Section 355 (extremely hazardous substances):	
7720-78-7	Iron(II) sulfate
■ Section 313 (Specific toxic chemical listings):	
7783-20-2	Ammonium Sulfate
■ TSCA (Toxic Substances Control Act):	
7778-80-5	Potassium Sulfate
7783-20-2	Ammonium Sulfate
7720-78-7	Iron (II) sulfate
25791-96-2	Poly(oxypropylene) triol
1332-58-7	Kaolin

. **California Proposition 65:**■ **Chemicals known to cause cancer:**

None of the ingredients are listed.

■ **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

■ **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

■ **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

■ **EPA (Environmental Protection Agency):**

None of the ingredients are listed

■ **TLV (Threshold Limit Value established by ACGIH):**

1332-58-7 Kaolin

2 m g/m 3

■ **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

■ **GHS label elements** Non-Regulated Material■ **Hazard pictograms:** Non-Regulated Material■ **Signal word:** Non-Regulated Material■ **Hazard statements:** Non-Regulated Material

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• National regulations:		
The product is subject to be classified according with the latest version of the regulations on hazardous substances.		
• State Right to Know:		
CAS: 7778-80-5 RTECS: TT5900000	Potassium Sulfate	70-90%
	Polyurethane elastomer	5-10%
CAS: 7783-20-2 RTECS: BS 4500000	Ammonium Sulfate - Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	5-10%
CAS: 7720-78-7 RTECS: NO 8510000	iron(II) sulfate ^ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	5-10%
CAS: 25791-96-2	Poly(oxypropylene) triol	≤ 2,5%
CAS: 1332-58-7	Kaolin	≤ 2,5%
All ingredients are listed.		

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of preparation / last revision:** 02/01/2019 / -

- **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3