

SAFETY DATA SHEET

According to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication.

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

1.1. Product identifier

Product name: **FS-100**

Type of product: Mixture.

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

Identified uses: Processing aid for industrial applications.

Uses advised against: None.

1.3. Details of the supplier of the safety data sheet

Company:

Anderson Chemical Company
325 South Davis Avenue
Litchfield, MN 55355

Telephone:

1-320-693-2477

1.4. Emergency telephone number

24-hour emergency number:

1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to paragraph (d) of 29 CFR 1910.1200:

Not classified.

2.2. Label elements

Labelling according to paragraph (f) of 29 CFR 1910.1200:

Hazard symbol(s): None.

Signal word: None.

Hazard statement(s): None.

Precautionary statement(s): None.

2.3. Other hazards

None.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable, this product is a mixture.

3.2. Mixtures

Hazardous components

Contains no reportable hazardous substances.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Move to fresh air. Get medical attention if symptoms appear.

Skin contact:

Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

Eye contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion:

Do NOT induce vomiting. Get medical attention.

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

None under normal use.

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

None reasonably foreseeable.

Other information:

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media:

Water. Water spray. Foam. Dry powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None known.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products:

Thermal decomposition may produce: carbon oxides (CO_x). Sulfur oxides (SO_x).

5.3. Advice for firefighters

Protective measures:

Wear self-contained breathing apparatus and protective suit.

Other information:

Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions:

Avoid contact with skin and eyes.

Protective equipment:

Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

Emergency procedures:

Keep people away from spill/leak. Prevent further leakage or spillage if safe to do so.

6.2. Environmental precautions

As with all chemical products, do not flush into surface water.

6.3. Methods and material for containment and cleaning up

Small spills:

Do not flush with water. Sweep up and shovel into suitable containers for disposal.

Large spills:

Do not flush with water. Dam up. Sweep up or vacuum up spillage and collect in suitable container for disposal.

Residues:

After cleaning, flush away traces with water.

6.4. Reference to other sections

SECTION 7: Handling and storage; SECTION 8: Exposure controls/personal protection; SECTION 13: Disposal considerations;

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid contact with skin and eyes. Wash hands and face before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep in a dry, cool and well-ventilated place. Materials to avoid : Nitric acid. Peroxides. Cyanides. Sodium hypochlorite.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Occupational exposure limits:
None known.

8.2. Exposure controls

Appropriate engineering controls:

Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Individual protection measures, such as personal protective equipment:

a) *Eye/face protection:*

Safety glasses with side-shields.

b) *Skin protection:*

i) *Hand protection:* Impervious gloves.

ii) *Other:* Workclothes protecting arms, legs and body.

c) *Respiratory protection:*

No personal respiratory protective equipment normally required. Dust safety masks recommended where working powder concentration is more than 10 mg/m³.

d) *Additional advice:*

Wash hands before breaks and immediately after handling the product. Wash hands before eating, drinking, or smoking. Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:

Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

a) Appearance:	Solid, Green.
b) Odour:	None.
c) Odour Threshold:	Not applicable.
d) pH:	Not applicable.
e) Melting point/freezing point:	No data available.
f) Initial boiling point and boiling range:	No data available.
g) Flash point:	Not applicable.
h) Evaporation rate:	No data available.
i) Flammability (solid, gas):	Not flammable.
j) Upper/lower flammability or explosive limits:	No data available.
k) Vapour pressure:	No data available.
l) Vapour density:	No data available.
m) Relative density:	No data available.
n) Solubility(ies):	No data available.
o) Partition coefficient n-octanol/water (log value):	No data available.
p) Autoignition temperature:	Does not self-ignite.
q) Decomposition temperature:	No data available.
r) Viscosity:	Not applicable.
s) Kinematic viscosity:	No data available.
t) Explosive properties:	No data available.
u) Oxidizing properties:	No data available.
v) Particle characteristics:	No data available.

9.2. Other information

None.

SECTION 10: Stability and reactivity**10.1. Reactivity**

None known.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Keep away from heat and sources of ignition.

10.5. Incompatible materials

Nitric acid. Peroxides. Cyanides. Sodium hypochlorite.

10.6. Hazardous decomposition products

Thermal decomposition may produce: carbon oxides (COx). Sulfur oxides (SOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on the product as supplied:

<i>Acute oral toxicity:</i>	No data available.
<i>Acute dermal toxicity:</i>	No data available.
<i>Acute inhalation toxicity:</i>	No data available.
<i>Skin corrosion/irritation:</i>	The product is not expected to be irritating.
<i>Serious eye damage/eye irritation:</i>	Not irritating. May cause eye irritation with susceptible persons due to effects all powders have on conjunctivae.
<i>Respiratory/skin sensitisation:</i>	The product is not expected to be sensitizing. No respiratory sensitization has been observed in the workplace.
<i>Mutagenicity:</i>	No data available.
<i>Carcinogenicity:</i>	No data available.
<i>Reproductive toxicity:</i>	No data available.
<i>STOT - Single exposure:</i>	No known effects.
<i>STOT - Repeated exposure:</i>	No data available.
<i>Aspiration hazard:</i>	No hazards resulting from the material as supplied.

SECTION 12: Ecological information**12.1. Toxicity**Information on the product as supplied:

Acute toxicity to fish:	LC50/Fish/96 hours = 5840 mg/L
Acute toxicity to invertebrates:	No data available.
Acute toxicity to algae:	No data available.
Chronic toxicity to fish:	No data available.
Chronic toxicity to invertebrates:	No data available.
Toxicity to microorganisms:	No data available.
Effects on terrestrial organisms:	No data available.
Sediment toxicity:	No data available.

12.2. Persistence and degradabilityInformation on the product as supplied:

Degradation:	Not readily biodegradable.
Hydrolysis:	No data available.
Photolysis:	No data available.

12.3. Bioaccumulative potentialInformation on the product as supplied:

The product is not expected to bioaccumulate.

Partition co-efficient (Log Pow):	No data available.
Bioconcentration factor (BCF):	No data available.

12.4. Mobility in soilInformation on the product as supplied:

No data available.

12.5. Other adverse effects

None known.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations**13.1. Waste treatment methods**Waste from residues/unused products:

Dispose in accordance with local and national regulations. Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging:

If recycling is not practicable, dispose of in compliance with local regulations.

Recycling:

In accordance with local and national regulations.

SECTION 14: Transport information**Land transport (DOT)**

Not classified.

Sea transport (IMDG)

Not classified.

Air transport (IATA)

Not classified.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Information on the product as supplied:TSCA Chemical Substances Inventory:

All components of this product are either listed as active on the inventory or are exempt from listing.

US SARA Reporting Requirements:SARA (Section 311/312) hazard class:

Not concerned.

SARA Title III Sections:Section 302 (TPQ) - Reportable Quantity:

Not concerned.

Section 304 - Reportable Quantity:

Not concerned.

Section 313 (De minimis concentration):
Not concerned.

Clean Water Act

Section 311 Hazardous Substances (40 CFR 117.3) - Reportable Quantity:
Not concerned.

Clean Air Act

Section 112(r) Accidental release prevention requirements (40 CFR 68) - Reportable Quantity:
Not concerned.

CERCLA

Hazardous Substances List (40 CFR 302.4) - Reportable Quantity:
Not concerned.

RCRA status :

Not RCRA hazardous.

California Proposition 65 Information:

Not concerned.

SECTION 16: Other information

NFPA and HMIS Ratings:

NFPA:

Health:	1
Flammability:	1
Instability:	0



HMIS:

Health:	1
Flammability:	1
Physical Hazard:	0

PPE Code: B

This data sheet contains changes from the previous version in section(s):

SECTION 2. Hazards identification, SECTION 4. First aid measures, SECTION 8. Exposure controls/personal protection, SECTION 12. Ecological information, SECTION 15. Regulatory information, SECTION 16. Other Information.

Key or legend to abbreviations and acronyms used in the safety data sheet:

Acronyms

STOT = Specific target organ toxicity

Training advice:

Do not handle until all safety precautions have been read and understood.

This SDS was prepared in accordance with the following:

U.S. Code of Federal Regulations 29 CFR 1910.1200

Version: 18.01.a

RE082

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.