SAFETY DATA SHEET
According to Federal Regulation 29 CFR 1910.1200

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

1.1. Product identifier
Product name: WS-C88
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
            United States
Telephone: 320-693-2477
Telefax: 320-693-8238
Website: www.accommn.com

1.4. Emergency telephone number
24-hour emergency number: 800-424-9300 CHEMTREC

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture
Classification according to paragraph (d) of Regulation 29 CFR 1910.1200:
Not classified.

2.2. Label elements
Labelling according to paragraph (f) of Regulation 29 CFR 1910.1200:
Hazard symbol(s): None.

Signal word: None.

Hazard statement(s): None.

Precautionary statement(s): None.

2.3. Other hazards
Spills produce extremely slippery surfaces.

SECTION 3. Composition/information on ingredients

3.1 Substances
Not applicable, this product is not a substance.

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. No hazards which require special first aid measures.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In case of persistent skin irritation, consult a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Alternatively, rinse immediately with Diphoterine ®. Get prompt medical attention.

Ingestion: Rinse mouth with water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

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: None.
SECTION 5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Unsuitable extinguishing media:
None.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products:
Carbon oxides (COx). Nitrogen oxides (NOx). Hydrogen chloride. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

5.3. Advice for fire-fighters

Protective measures:
Wear self-contained breathing apparatus and protective suit.

Other information:
Spills produce extremely slippery surfaces.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:
Do not touch or walk through spilled material. Spills produce extremely slippery surfaces.

Protective equipment:
Wear suitable protective clothing, gloves and eye/face protection.

Emergency procedures:
Keep people away from spill/leak.

6.2. Environmental precautions

Do not contaminate water.

6.3. Methods and material for containment and cleaning up

Small spills:
Do not flush with water. Soak up with inert absorbent material.

Large spills:
Dam up. Clean up promptly by scoop or vacuum. Do not flush with water.

Residues:
Soak up with inert absorbent material. 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. Renders surfaces extremely slippery when spilled. When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities.
Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

7.3. Specific end use(s)
None.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:
None.

8.2. Exposure controls

Appropriate engineering controls:
Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Individual protection measures, such as personal protective equipment:

a) Eye/face protection:
Safety glasses with side-shields.

b) Skin protection:
Wear coveralls and/or chemical apron and rubber footwear where physical contact can occur.

i) Hand protection:
PVC or other plastic material gloves.

c) Respiratory protection:
No personal respiratory protective equipment normally required.

d) Additional advice:
Wash hands and face before breaks and immediately after handling the product. Wash hands before breaks and at the end of workday.

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: Clear to slightly yellow liquid.
b) Odour: None.
c) Odour Threshold: Not applicable.
d) pH: 3 - 7
e) Melting point/freezing point: < 0°C
f) Initial boiling point and boiling range: > 100°C
g) Flash point: Does not flash.
h) Evaporation rate: No data available.
i) Flammability (solid, gas): Not applicable.
j) Upper/lower flammability or explosive limits: Not expected to create explosive atmospheres.
k) Vapour pressure: 2.3 kPa @ 20°C
l) Relative density: 1.0 - 1.2
m) Solubility(ies): Completely miscible.

n) Partition coefficient: < 0

o) Autoignition temperature: Does not self-ignite (based on the chemical structure).
p) Decomposition temperature: > 150°C

SECTION 10. Stability and reactivity

10.1. Reactivity
Stable under recommended storage conditions.

10.2. Chemical stability
Stable under recommended storage conditions.
**10.3. Possibility of hazardous reactions**  
None known.

**10.4. Conditions to avoid**  
Protect from frost, heat and sunlight.

**10.5. Incompatible materials**  
None known.

**10.6. Hazardous decomposition products**  
Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NOx), carbon oxides (COx). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

**SECTION 11. Toxicological information**

**11.1. Information on toxicological effects**

*Information on the product as supplied:*

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity:</td>
<td>LD50/oral/rat &gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Acute dermal toxicity:</td>
<td>LD50/dermal/rat &gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Acute inhalation toxicity:</td>
<td>Testing by the inhalation route is inappropriate because exposure of humans via inhalation is unlikely: the substance has no vapour pressure and there is practically no exposure to inhalable aerosols.</td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td>Not irritating.</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation:</td>
<td>Slightly irritating.</td>
</tr>
<tr>
<td>Respiratory/skin sensitisation:</td>
<td>Not sensitizing to skin. No respiratory sensitization has been observed in the workplace.</td>
</tr>
<tr>
<td>Mutagenicity:</td>
<td>Not mutagenic.</td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td>Based on the absence of mutagenicity, it is unlikely that the substance is carcinogenic.</td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td>By analogy with similar substances, this substance is not expected to be toxic for reproduction.</td>
</tr>
<tr>
<td>STOT - single exposure:</td>
<td>No known effects.</td>
</tr>
<tr>
<td>STOT - repeated exposure:</td>
<td>No known effects.</td>
</tr>
<tr>
<td>Aspiration hazard:</td>
<td>No hazards resulting from the material as supplied.</td>
</tr>
</tbody>
</table>
SECTION 12. Ecological information

12.1. Toxicity

Information on the product as supplied:

Acute toxicity to fish: LC50/Danio rerio/96 hours > 100 mg/L
Acute toxicity to invertebrates: EC50/Daphnia magna/48 hours > 100 mg/L
Acute toxicity to algae: Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test.
Chronic toxicity to fish: No data available.
Chronic toxicity to invertebrates: No data available.
Toxicity to microorganisms: EC0/activated sludge/0.5 h = 1000 mg/L (OECD 209)
Effects on terrestrial organisms: Exposure to soil is unlikely.
Sediment toxicity: Exposure to sediment is unlikely.

12.2. Persistence and degradability

Information on the product as supplied:

Degradation: Not readily biodegradable.
Hydrolysis: Does not hydrolyse.
Photolysis: No data available.

12.3. Bioaccumulative potential

Information on the product as supplied:

Not bioaccumulating.
Partition co-efficient (Log Pow): < 0
Bioconcentration factor (BCF): ~0

12.4. Mobility in soil

Information on the product as supplied:

Exposure to soil is not to be expected.
12.5. Other adverse effects

None.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products:
Dispose of in accordance with local regulations.

Contaminated packaging:
Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling is not practicable, dispose of in compliance with local regulations.

Recycling:
Store containers and offer for recycling of material when in accordance with the local 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 on the inventory or are exempt from listing.

US SARA Reporting Requirements:
SARA (Section 311/312) hazard class:
Not concerned.
RCRA status:
Not RCRA hazardous.

California Proposition 65 Information:
Not concerned

SECTION 16. Other information

NFPA and HMIS Ratings:

NFPA:
Health: 0
Flammability: 0
Instability: 0

HMIS:
Health: 0
Flammability: 0
Physical Hazard: 0
PPE Code: B

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

Key or legend to abbreviations and acronyms used in the safety data sheet:
None.

This SDS was prepared in accordance with the following:
Federal Regulation 29 CFR 1910.1200

Revision Number: 15.01.a
LDCC010A
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.