SAFETY DATA SHEET

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

Product Name               MICRO-WET NB

Other means of identification
Product Code               169
Synonyms                   None

Recommended use of the chemical and restrictions on use
Recommended Use            Nonionic Detergent for Membrane Systems
Uses advised against       No information available

Manufacturer Address       Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

Emergency telephone number
Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification
Serious eye damage/eye irritation  Category 1
Acute toxicity, oral              Category 4

Label elements

Danger
Hazard statements
Causes serious eye damage
Harmful if swallowed

Appearance aqueous solution
Physical state liquid
Odor Slight

Precautionary Statements - Prevention
Wash hands and exposed skin thoroughly after handling.
Wear eye protection/face protection.
Do not eat, drink or smoke when using this product.

Precautionary Statements - Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise not classified (HNOC)

Other Information
Unknown Acute Toxicity
0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSRN1841</td>
<td>Proprietary</td>
<td>90%</td>
<td></td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret.
4. FIRST AID MEASURES

First aid measures

Eye contact
Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.

Skin Contact
Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.

Inhalation
Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.

Ingestion
Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms
Eye contact causes serious eye damage. Skin contact causes irritation. Inhalation may cause irritation to mucous membranes. Harmful if swallowed.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
Do not allow run-off from fire fighting that contain this product to enter drains or water courses.

Explosion data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ventilate affected area. Use personal protective equipment as required.

Environmental precautions
See Section 12 for additional ecological information. Prevent the material from entering drains, water courses.

Methods for containment
Completely contain spilled material with dikes or sand bags, etc.
Methods for cleaning up
Shut off source of leak only if safe to do so. Dike and contain spilled material. Recover free product. To clean up residue, flush area with water or use an absorbent.

7. HANDLING AND STORAGE

Precautions for safe handling
Do not get in eyes, on skin, or clothing. Do not breathe vapors or mists. Do not ingest. Wash thoroughly after handling. Wear protective clothing/equipment. Use with adequate ventilation.

Advice on safe handling

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed and properly labeled. Containers that have been emptied will retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored.

Incompatible materials
None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines
Contains no substances with occupational exposure limit values.

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin and body protection
If contact is anticipated, wear protective clothing appropriate to use conditions.

Respiratory protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Appearance</th>
<th>Odor</th>
<th>Odor threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>liquid</td>
<td>aqueous solution clear, fluorescent green</td>
<td>Slight</td>
<td>No information available</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
None known.

Incompatible materials
None known based on information supplied.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information
No data available

Inhalation
Inhalation may cause irritation to mucous membranes

Eye contact
Cause eye damage irritation.
Skin Contact
Cause skin irritation.

Ingestion
Ingestion may cause nausea, vomiting, diarrhea, may be harmful.

**Information on toxicological effects**

**Symptoms**
No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- **Sensitization**
  No information available.

- **Germ cell mutagenicity**
  No information available.

- **Carcinogenicity**
  No information available.

- **Reproductive toxicity**
  No information available.

- **STOT - single exposure**
  No information available.

- **STOT - repeated exposure**
  No information available.

- **Aspiration hazard**
  No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity**
0% of the mixture consists of ingredient(s) of unknown toxicity

**Component: Ethoxylated alcohol**

- Acute oral toxicity: LD50: > 300 - 2,000 mg/kg
  Species: Rat
  Read-across (Analogy)

- Acute dermal toxicity: LD50: > 2,000 mg/kg
  Species: Rabbit Read-across (Analogy)

- Eye irritation: Result: Risk of serious damage to eyes.
  Read-across (Analogy)

**Component: Ethoxylated alcohol**

- LD50: > 300 - 2,000 mg/kg
  Species: Rat
  Read-across (Analogy)

**Component: Ethoxylated alcohol**

- LD50: > 2,000 mg/kg
  Species: Rabbit Read-across (Analogy)

**Component: Ethoxylated alcohol**

- Result: Risk of serious damage to eyes.
  Read-across (Analogy)

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**
0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and degradability**
Readily biodegradable

**Bioaccumulation**
Bioaccumulation is unlikely
Read-across (Analogy)

**Other adverse effects**
No information available

**INGREDIENTS:** Test result

**Component: Ethoxylated alcohol**

**Ecotoxicity effects**

- Toxicity to fish: LC50: > 1 - 10 mg/l
  Exposure time: 96 h
  Species: Fish
  Read-across (Analogy)

- Toxicity to daphnia and other aquatic invertebrates: EC10: > 0.1 - 1 mg/l
  Exposure time: 21 d
  Species: Daphnia magna (Water flea)
  Read-across (Analogy)

- Toxicity to daphnia and other aquatic invertebrates: EC50: > 10 mg/l
  Exposure time: 48 h
  Species: Daphnia magna (Water flea)
  Read-across (Analogy)
Component: Ethoxylated alcohol

Ecotoxicity effects Toxicity to daphnia and other aquatic invertebrates

<table>
<thead>
<tr>
<th>Parameter</th>
<th>EC50: &gt; 10 - 100 mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure time</td>
<td>48 h</td>
</tr>
<tr>
<td>Species</td>
<td>Daphnia magna (Water flea)</td>
</tr>
<tr>
<td>Read-across (Analogy)</td>
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</tr>
</tbody>
</table>

Toxicity to algae

<table>
<thead>
<tr>
<th>Parameter</th>
<th>EC50: &gt; 10 - 100 mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure time</td>
<td>72 h</td>
</tr>
<tr>
<td>Species</td>
<td>Skeletonema costatum (marine diatom)</td>
</tr>
<tr>
<td>Read-across (Analogy)</td>
<td></td>
</tr>
</tbody>
</table>

Elimination information (persistence and degradability)

Bioaccumulation: Bioaccumulation is unlikely.

Mobility: No data available

Biodegradability: Result: Readily biodegradable. Method: OECD Test Guideline 301B

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Do not reuse container.

14. TRANSPORT INFORMATION

DOT: Not regulated

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>All components of this product are on the Canadian DS</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>ENCS</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>IECSC</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>KECL</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>PICCS</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>AICS</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
</tbody>
</table>

Legend:
169 MICRO-WET NB

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/DSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories
- Acute health hazard: Yes
- Chronic Health Hazard: No
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No
c
CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. EPA Label Information

EPA Pesticide Registration Number: Not Applicable

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Properties</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>Personal protection X</td>
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</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Prepared By: Lmt
Issue Date: 20-Oct-2014
Revision Date: 13-Apr-2018
Revision Note: No information available

Disclaimer
The information provided in this Material 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.

End of Safety Data Sheet