

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

Emergency Overview

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

| Chemical Name | CAS No. | Weight-% | Trade Secret |
|---------------|-------------|----------|--------------|
| TSRN1841 | Proprietary | 90% | |

*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

Advice on 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.

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

| | | | |
|-----------------------|-------------------------|-----------------------|--------------------------|
| Physical state | liquid | Odor | Slight |
| Appearance | aqueous solution clear, | Odor threshold | No information available |
| Color | fluorescent green | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------|--------------------------|-------------------------|
| pH | 5 - 9, 1% solution | |
| Melting point/freezing point | No information available | |
| Boiling point / boiling range | No information available | |
| Flash point | No information available | |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | No information available | |
| Lower flammability limit: | No information available | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Specific Gravity | 1.014 | |
| Water solubility | Soluble in water | |
| Solubility in other solvents | No information available | |
| Partition coefficient | No information available | |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |
| Kinematic viscosity | No information available | |
| Dynamic viscosity | No information available | |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |

Other Information

| | |
|------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | No information available |
| Density | No information available |
| Bulk density | No information available |

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)

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

: 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 (Chronic toxicity) | : 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: EC50: > 10 - 100 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Read-across (Analogy)

Toxicity to algae

: EC50: > 10 - 100 mg/l
Exposure time: 72 h
Species: Skeletonema costatum (marine diatom)
Read-across (Analogy)**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****TSCA**

All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.

DSL/NDSL

All components of this product are on the Canadian DS

EINECS/ELINCS

On the inventory, or in compliance with the inventory

ENCS

On the inventory, or in compliance with the inventory

IECSC

On the inventory, or in compliance with the inventory

KECL

On the inventory, or in compliance with the inventory

PICCS

On the inventory, or in compliance with the inventory

AICS

On the inventory, or in compliance with the inventory

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - 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

Serious eye damage/eye irritation
 Acute toxicity, oral

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

| | | | | |
|-------------|------------------|----------------|--------------------|------------------------------------|
| NFPA | Health hazards 3 | Flammability 1 | Instability 0 | Physical and Chemical Properties - |
| HMIS | Health hazards 3 | Flammability 1 | Physical hazards 0 | Personal protection X |

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 25-Oct-2022 Review, no changes

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