
POWERLINE N134

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: POWERLINE N134
Common Name: Mixture
SDS Number: 0292
Product Code: BT0135
Revision Date: 12/9/2014
Version: 3
Internal ID: 301C
Product Use: WATER TREATMENT
Supplier Details: U.S. Water Services
12270 43rd St. NE
St. Michael, MN 55376

Contact: Non-emergency #: 866-663-7632
Email: SDS@uswaterservices.com
Web: www.uswaterservices.com

EMERGENCY RESPONSE: (ChemTel)
US & Canada: 800-255-3924
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2 HAZARDS IDENTIFICATION**Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Health, Skin corrosion/irritation, 1 A
Environmental, Hazards to the aquatic environment - Acute, 1
Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 4 Dermal
Health, Acute toxicity, 4 Inhalation

GHS Label elements, including precautionary statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:**GHS Hazard Statements:**

H314 - Causes severe skin burns and eye damage
H400 - Very toxic to aquatic life
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H332 - Harmful if inhaled

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.

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P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P360 - Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P315 - Get immediate medical advice/attention.

Hazards not otherwise classified (HNOC) or not covered by GHS

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
1336-21-6	>50%	Ammonium hydroxide
141-43-5	1-5%	Ethanolamine

4 FIRST AID MEASURES

- Inhalation:** Remove from contamination. If person has stopped breathing administer artificial respiration. Seek medical attention.
- Skin Contact:** Wash off with soap and plenty of water. Remove contaminated garments and wash or destroy. Seek medical attention.
- Eye Contact:** Flush eyes with plenty of running water for at least 15 minutes. Seek immediate medical attention.
- Ingestion:** If conscious, give plenty of water. Seek immediate medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms & effects (acute & delayed): No data available

Indication of need for immediate medical attention: No data available

Special treatment needs: Treat symptomatically. Can cause corneal burns. Following severe exposure, the patient should be kept under medical supervision for at least 48 hours.

5 FIRE FIGHTING MEASURES

- Flammability:** Not flammable
- Flash Point:** Not determined
- Burning Rate:** No data available
- Autoignition Temp:** No data available
- LEL:** Not applicable
- UEL:** Not applicable

Extinguishing Media

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Suitable: Use extinguishing media suitable for surrounding fire

Unsuitable: No information available

Hazardous combustion products: Oxides of nitrogen, ammonia, carbon monoxide and carbon dioxide.

Unusual Fire or Explosion Hazards: Product emits hazardous ammonia vapors. Contact with strong oxidizing agents may cause an explosion. The presence of oil or other combustible materials will increase the fire hazard. Contact with halogens and chlorates can cause an explosion.

Special protective equipment/precautions: Wear self-contained breathing apparatus

6**ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective equipment, emergency procedures: Avoid contact with the material. See section 8 of SDS for PPE recommendations

Environmental Precautions: Keep runoff from entering drains or waterways

Spill/Leak procedures: Wear appropriate protective gear. Spills may be slippery. Evacuate unprotected personnel. Ventilate spill area. Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible and place into closed container for disposal. Neutralize remainder with dilute acid, such as acetic or sulfuric, then absorb with inert material.

Regulatory Requirements: Dispose of recovered material in accordance with all applicable state and federal regulations.

7**HANDLING AND STORAGE**

Handling Precautions: Corrosive liquid and vapors. Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only!

Storage Requirements: Store in closed containers away from temperature extremes and incompatible materials. Store in properly labeled containers in accordance with all local, state and federal guidelines.

8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering Controls: Provide local exhaust ventilation as needed to control misting.

Personal Protective Equipment: HMIS PP, D | Face Shield and Eye Protection, Gloves, Apron

Respiratory protection: Required if levels exceed exposure limits. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

Exposure Limits:

OSHA (PEL): 50 ppm (NH₃)

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ACGIH (TLV/TWA): 25 ppm (NH₃)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless	Odor:	Ammonia odor
Physical State:	Liquid	Solubility:	Complete in water
Odor Threshold:	Not determined	Freezing/Melting Pt.:	Not determined
Spec Grav./Density:	7.76 lb/gal	Flash Point:	None
Viscosity:	Not determined	Vapor Density:	Not determined
Boiling Point:	Not determined	Auto-ignition Temp:	Not determined
Partition Coefficient:	Not determined	UFL/LFL:	Not determined
Vapor Pressure:	Not determined		
pH:	13		
Evap. Rate:	Not determined		
Decomp Temp:	Not determined		

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal storage and use conditions.
Conditions to Avoid:	Avoid temperature extremes.
Materials to Avoid:	Strong oxidizing agents, strong acids.
Hazardous Decomposition:	None under normal storage conditions.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available
Skin Corrosion/Irritation: No data available
Serious eye damage/irritation: No data available
Respiratory or skin sensitization: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration hazard: No data available
Carcinogenicity: No carcinogenic effects are known for the components of this product
Germ Cell Mutagenicity: No mutagenic effects are known for the components of this product
Teratogenicity: No teratogenic effects are known for the components of this product

12 ECOLOGICAL INFORMATION

Aquatic Toxicity
 Daphnia Magna Acute 48 hr LC₅₀ 139 mg/l
 Fat Head Minnow Acute 96 hr LC₅₀ 42 mg/l
 Fat Head Minnow Chronic IC₂₅ 38 mg/l
Elimination (persistence & degradability): No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

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13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14 TRANSPORT INFORMATION

UN1760, Corrosive liquids, n.o.s., 8, PGIII, (Ammonium Hydroxide, Monoethanolamine)

DOT Transportation data (49 CFR 172.101)

See section 15 of SDS for information on Reportable Quantity chemicals (RQ)

15 REGULATORY INFORMATION**Component (CAS#) [%] - CODES**

RQ(1000LBS), Ammonium hydroxide (1336-21-6) [>50%] CERCLA, CSWHS, MASS, NJEHS, PA, TSCA

Ethanolamine (141-43-5) [1-5%] HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

RQ = Reportable Quantity

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

MASS = MA Massachusetts Hazardous Substances List

NJEHS = NJ Extraordinarily Hazardous Substances

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

HAP = Hazardous Air Pollutants

OSHA WAC = OSHA Workplace Air Contaminants

TXAIR = TX Air Contaminants with Health Effects Screening Level

TSCA: All components of this product are listed (or are not required to be listed) in the TSCA inventory

EPA / CERCLA / SARA TITLE III:

Toxic Chemical List (SARA 313): This product does not contain any chemicals subject to routine annual toxic chemical release reporting.

Extremely Hazardous Substance (SARA 302/304): This product does not contain any extremely hazardous substances subject to emergency planning requirements.

SARA 312: Acute

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RCRA: Corrosive, D002

16	OTHER INFORMATION
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HMIS III: Health = 3, Fire = 0, Physical Hazard = 1
HMIS PPE: D - Face Shield and Eye Protection, Gloves, Apron

HMIS	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	D

Author: U.S. Water Services

Revision Notes: Updated aquatic tox data

Disclaimer:

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