1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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

Product Name: PROTECT 1201P
Revision Date: 10/13/2014
Version: 1
MSDS Number: 0402
Common Name: MIXTURE
Product Code: CT0266
Internal ID: 101B
Product Use: WATER TREATMENT

EMERGENCY RESPONSE: (ChemTel)
US & Canada: 800-255-3924
International: +01-813-248-0585

2 HAZARDS IDENTIFICATION

HMIS III: H2/F0/PH1

HMIS III	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARDS	1
PERSONAL PROTECTION C | Safety Glasses, Gloves, Apron	

GHS Signal Word:
DANGER

GHS Hazard Pictograms:

GHS Classifications:
Health, Acute toxicity, 5 Inhalation
Health, Acute toxicity, 5 Dermal
Health, Acute toxicity, 3 Oral
Environmental, Hazards to the aquatic environment - Acute, 1
Health, Serious Eye Damage/Eye Irritation, 1
Physical, Oxidizing Liquids, 3

GHS Phrases:
H333 - May be harmful if inhaled
H313 - May be harmful in contact with skin
H301 - Toxic if swallowed
H400 - Very toxic to aquatic life
H318 - Causes serious eye damage
H272 - May intensify fire; oxidizer

GHS Precautionary Statements:
P281 - Use personal protective equipment as required.
P302+352 - IF ON SKIN: Wash with soap and water.
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+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P273 - Avoid release to the environment.
P315 - Get immediate medical advice/attention.

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 #	Percentage	Chemical Name
7632-00-0	30-40%	Sodium nitrite
1310-73-2	<2%	Sodium hydroxide

4 FIRST AID MEASURES

Inhalation: Remove from contamination. If symptoms persist, seek medical attention.
Skin Contact: Wash off with soap and plenty of water. Consult a physician if irritation develops.
Eye Contact: Flush eyes with plenty of running water for at least 15 minutes. Seek immediate medical attention.
Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Seek immediate medical attention.

Most important symptoms & effects (acute & delayed)**:** No data available
Indication of need for immediate medical attention: No data available
Special treatment needs: No data available

5 FIRE FIGHTING MEASURES

Flammability: Not flammable

Extinguishing Media:

Suitable: Use extinguishing media suitable for surrounding fire.

Unsuitable: No information available

Hazardous combustion products: Hazardous decomposition products formed under fire conditions- Carbon oxides, and other hazardous compounds

Unusual Fire or Explosion Hazards: None known

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 in SDS for PPE recommendations
Environmental Precautions: Keep runoff from entering drains or waterways
Spill/Leak procedures: Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal.
Regulatory Requirements: Dispose of recovered material in accordance with all applicable state and federal regulations.

7 HANDLING AND STORAGE

Handling Precautions: 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 Equip: HMIS PP, C | Safety Glasses, Gloves, Apron

Respiratory protection: If needed use MSHA/NIOSH approved respirator. 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:
USA OSHA (PEL): Not Established

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Purple		
Physical State:	Liquid	**Odor:**	Slightly sweet
Odor Threshold:	No data available	**Molecular Formula:**	No data available
Particle Size:	No data available	**Solubility:**	Complete
Spec Grav./Density:	10.56	**Softening Point:**	No data available
Viscosity:	No data available	**Percent Volatile:**	No data available
Sat. Vap. Conc.:	No data available	**Heat Value:**	No data available
Boiling Point:	No data available	**Freezing/Melting Pt:**	No data available
Flammability:	Nonflammable	**Flash Point:**	No data available
Partition Coefficient:	No data available	**Octanol:**	No data available
Vapor Pressure:	No data available	**Vapor Density:**	No data available
pH:	12-14	**VOC:**	No data available
Evap. Rate:	No data available	**Auto-Ignition Temp:**	No data available
Molecular weight:	No data available	**UFL/LFL:**	No data available
Decomp Temp:	No data available		

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal storage and use conditions.
Conditions to Avoid:	Avoid temperature extremes. Protect from freezing
Materials to Avoid:	Strong Oxidizing Agents may cause exothermic reaction
Hazardous Decomposition:	Thermal decomposition may produce carbon oxides and other toxic compounds.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available
Skin Corrosion/Irritation: No data avaible
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
Acute Toxicity: No data available
Carcinogenicity: No carcinogenic effects are known for the components of this product
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 No data available
Elimination (persistency & degradability): No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

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

UN #: UN 3098, Class: 5.1, 8 Proper Shipping Name: Oxidizing liquid, corrosive, n.o.s.

Contains: Sodium Nitrite, Sodium Hydroxide
Packaging Group: PG III

DOT Transportation data (49 CFR 172.101)

15 REGULATORY INFORMATION

TSCA: All components of this product are listed (or are not required to be listed) in the TSCA inventory
*Sodium nitrite (7632000 30-40%) CERCLA, CSWHS, MASS, PA, SARA313, TSCA
*Sodium hydroxide (1310732 <2%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

TSCA = Toxic Substances Control Act
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
OSHAWAC = OSHA Workplace Air Contaminants
TXAIR = TX Air Contaminants with Health Effects Screening Level

EPA / CERCLA / SARA TITLE III:
SARA 312: Acute &Chronic health hazard
Extremely Hazardous Substance (SARA 302/304): This product does not contain any extremely hazardous substances subject to emergency planning requirements.

16 OTHER INFORMATION

Author: U.S. Water Services

Revision Notes: Updated to GHS format

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