

Safety Data Sheet
Assist Natural Products LLC

Trade Name: AWS 1200 Cleaner

Section 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator:	Assist Natural Products 218 Evergreen Drive Lena, IL 61048	Product Name:	AWS 1200 Cleaner
Issue Date: 06/03/2013		Product Description:	0.80 – 2.0 % Solution
Emergency Phone:	815.369.2195	Chemical Family:	None (Mixture)

Section 2 HAZARDOUS IDENTIFICATION

Potential health effects:

Eyes: Corrosive! May cause irritation of eyes, and with greater exposures, severe burns with possibly blindness happening.

Skin: Depending on the degree of unprotected contact and individual sensitivity with the product, skin contact may cause mild irritation, redness, rash and itchiness. Prolonged contact can dehydrate and remove oils from skin.

Inhalation: Excessive, prolonged or repeated inhalation may cause irritation to mucous membranes and upper respiratory tract.

Ingestion: This product may be harmful if ingested. Depending on the amount swallowed, ingestion may cause mild irritation to mouth, throat, stomach and gastrointestinal tract.

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Water	7732-18-5	98.0 – 99.2 %
Sodium Hydroxide	1310-73-2	0.80 – 2.0 %

Section 4 FIRST AID MEASURES

First aid procedures

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Flush skin with large amounts of water. Remove any contaminated clothing and wash before reuse. Seek medical attention if irritation occurs.

Inhalation: If symptoms are experienced, remove source of contamination and/or move victim to fresh air. If breathing is difficult, have trained personnel administer oxygen. If respiration stops, have trained personnel administer artificial respiration. Get medical attention immediately.

Ingestion: Give large amounts of water. Do not induce vomiting. If spontaneous vomiting is inevitable, prevent aspiration by keeping victims head below the knees. Get immediate medical attention.

Section 5 FIREFIGHTING MEASURES

Flash Point: None

Extinguishing Media: Water fog or fine spray, carbon dioxide, dry chemical or foam.

Firefighting Protection: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area. Keep unnecessary personnel away. Keep out of low areas. Ventilate closed spaces before entering.

Environmental Precautions: Prevent further leakage or spillage if safe to do so.

Methods for Containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for Clean Up: Wear appropriate protective equipment and clothing during clean-up. Large spill: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place

into a container for later disposal. Dispose in accordance with all local, state & federal regulations. Small spill: Follow same procedure as above.

Section 7 HANDLING & STORAGE

Handling: Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Storage: Store this product below 120° F (49° C), preferably below 75°F (24°C), Store in a cool, dry, well-ventilated area away from heat, sparks, flame, oxidizers and out of direct sunlight. For best results use within 12 months.

Incompatibilities: Sodium hydroxide in contact with acids and organic halogen compounds, especially trichloroethylene, may cause violent reactions. Contact with nitromethane and other similar nitro compounds cause formation of shock-sensitive salts. Contact with metals such as aluminum, magnesium, tin, and zinc cause formation of flammable hydrogen gas. Sodium hydroxide, even in fairly dilute solution, reacts readily with various sugars to produce carbon monoxide. Precautions should be taken including monitoring the tank atmosphere for carbon monoxide to ensure safety of personnel before vessel entry.

Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection

General: Eye wash fountain is recommended.

Eyes: Wear chemical goggles.

Skin: Wear suitable protective clothing. Use impervious gloves.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>214° F (102° C)	Solubility in water:	Complete
VOC:	Negligible		
Vapor Density:	0.62	Evaporation Rate:	Comparable to water
Flashpoint:	None	Vapor Pressure:	<0.01 mm Hg @ 68° F (20° C)
pH:	12.0 - 13.5 @ 77° F (25° C)	Freezing Point:	< 32° F (0° C)
Specific Gravity:	~1.00 – 1.06 @ 77° F (25° C)	Weight:	8.9 – 9.2 lbs. / gallon
Appearance:	Clear / Odorless	Odor:	Mild characteristic

Section 10 STABILITY & REACTIVITY

Stability (Normal Conditions):	Stable at normal conditions.
Conditions to avoid:	See Section 7.
Incompatible Materials:	Strong oxidizing agents, alkalis.
Hazardous Decomposition Products:	None known.
Hazardous Polymerization:	Will not occur.

Section 11 TOXICOLOGY INFORMATION

Toxicology data: Not available.

Section 12 ECOLOGICAL INFORMATION

Eco toxicity: Readily biodegradable.

Section 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

Section 14 TRANSPORT INFORMATION

General Information: Non Hazardous

Proper Shipping Description: Class 55

US DOT: Not Regulated

Section 15 REGULATORY INFORMATION

TSCA Inventory Status: This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

DSL (Canada): This product and/or all of its components are either included on or exempt from the Domestic Substances List.

Section 15 Other Information

HMIS ratings: Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings: Health: 1
Flammability: 0
Reactivity: 0

Disclaimer: The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Assist Natural Products and Services LLC assumes no responsibility for personal injury or property damage to the Vendee, Users or Third Parties caused by the material. Such Vendees or Users assume all risks associated with use of the material.

AWS 1200 is a multifunctional surface cleaner that can be sprayed, wiped, dipped or misted. AWS 1200 is a concentrated cleaner that can be used straight or diluted to clean and degrease practically all surfaces. AWS 1200 penetrates and removes the attachment mechanisms that start and hold inorganic and organic matrices together and to surfaces.

AWS 1200, as a surface cleaner is a nonhazardous, liquid formulation that works best when diluted with hot water, usually at 1:20 ratio / 6.40 ounces per gallon of water. Rinse surface after degreasing with hot water or steam. The exact dilution of this concentrated product depends on the degree of accumulated soil and grease to be removed.

AWS 1200 is a liquid, alkaline formulation intended for disinfecting and sanitizing the water distribution systems by removing deposits from waterlines and wells.

AWS 1200 simultaneously restores chlorine residuals and reduces disinfection by-products. AWS 1200 is effective against organic and inorganic deposits that react with Chlorine and chloramines which can restrict or block flow through filters and contribute to high bulk water bacterial counts. AWS 1200 will not damage water distribution systems.

Storage: Store at room temperature away from direct sunlight and heat. **DO NOT ALLOW TO FREEZE** because product may lose its potency. After use, seal or close dispenser.

Stability: See below for date of expiration.

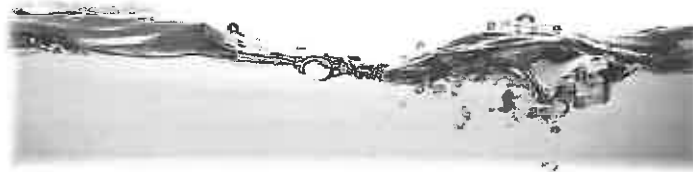
Disposal: No special disposal requirements. AWS 1200 is biodegradable and environmentally friendly.

NET WT	LOT#
<input type="checkbox"/> 5 Gal. (41.8 LB)	
<input type="checkbox"/> 55 Gal. (459.8 LB)	
<input type="checkbox"/> 275 Gal. (2,299 LB)	



1200

General Purpose Cleaner



DIRECTIONS FOR USE:

CLEANING WHEN THE SYSTEM IS NOT IN USE ANIMALS ARE NOT PRESENT:

Medicator

1. Using a medicator inject AWS concentrated solution 1:128 directly into water system only when NO animals are present
2. Let stand or 10 – 12 hours
3. Flush with potable water repeat as necessary until lines are clean

Automatic injection

1. Inject AWS 1200 at 10 oz per gallon of water directly into drinking water system with NO animals present
2. Let stand or 10 – 12 hours
3. Flush with potable water repeat as necessary until lines are clean

CLEANING THE DRINKING WATER SYSTEM ANIMALS PRESENT:

Medicator

- Stock solution add 5 oz per gallon of water inject using a medicator 1:128
- For first time use: continue for 7 days
- Maintenance cleaning: 3 consecutive days per month

Automatic injection

- Set pump to inject 1:40
- One gallon of AWS 1200 will treat 5000 gallons of drinking water

GENERAL PURPOSE SURFACE CLEANING

- Add 6.5 oz per gallon of cleaning solution
- Inject directly into high pressure washer (Hot water always recommended)

Ingredients: Purified Water (H₂O) (98.18%), Sodium Chloride (NaCl) (1.50%), Sodium Hydroxide (NaOH) (0.32%). MADE IN THE USA.

Reg. No. 85021-R | Est. No. 85021-CA-001

AWS 1200 is a multifunctional surface cleaner that can be sprayed, wiped, dipped or misted. AWS 1200 is a concentrated cleaner that can be used straight or diluted to clean and degrease practically all surfaces. AWS 1200 penetrates and removes the attachment mechanisms that start and hold inorganic and organic matrices together and to surfaces.

AWS 1200, as a surface cleaner is a nonhazardous, liquid formulation that works best when diluted with hot water, usually at 1:20 ratio / 6.40 ounces per gallon of water. Rinse surface after degreasing with hot water or steam. The exact dilution of this concentrated product depends on the degree of accumulated soil and grease to be removed.

AWS 1200 is a liquid, alkaline formulation intended for disinfecting and sanitizing the water distribution systems by removing deposits from waterlines and wells.

AWS 1200 simultaneously restores chlorine residuals and reduces disinfection by-products. AWS 1200 is effective against organic and inorganic deposits that react with Chlorine and chloramines which can restrict or block flow through filters and contribute to high bulk water bacterial counts. AWS 1200 will not damage water distribution systems.

Storage: Store at room temperature away from direct sunlight and heat. **DO NOT ALLOW TO FREEZE** because product may lose its potency. After use, seal or close dispenser.

Stability: See below for date of expiration.

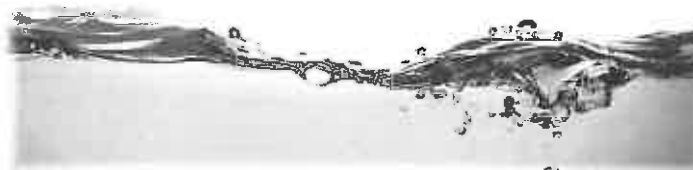
Disposal: No special disposal requirements. AWS 1200 is biodegradable and environmentally friendly.

NET WT	LOT#
<input type="checkbox"/> 5 Gal. (41.8 LB)	
<input type="checkbox"/> 55 Gal. (459.8 LB)	
<input type="checkbox"/> 275 Gal. (2,299 LB)	



1200

General Purpose Cleaner



DIRECTIONS FOR USE:

CLEANING WHEN THE SYSTEM IS NOT IN USE ANIMALS ARE NOT PRESENT:

Medicator

1. Using a medicator inject AWS concentrated solution 1:128 directly into water system only when NO animals are present
2. Let stand or 10 – 12 hours
3. Flush with potable water repeat as necessary until lines are clean

Automatic injection

1. Inject AWS 1200 at 10 oz per gallon of water directly into drinking water system with NO animals present
2. Let stand or 10 – 12 hours
3. Flush with potable water repeat as necessary until lines are clean

CLEANING THE DRINKING WATER SYSTEM ANIMALS PRESENT:

Medicator

- Stock solution add 5 oz per gallon of water inject using a medicator 1:128
- For first time use: continue for 7 days
- Maintenance cleaning: 3 consecutive days per month

Automatic injection

- Set pump to inject 1:40
- One gallon of AWS 1200 will treat 5000 gallons of drinking water

GENERAL PURPOSE SURFACE CLEANING

- Add 6.5 oz per gallon of cleaning solution
- Inject directly into high pressure washer (Hot water always recommended)

Ingredients: Purified Water (H₂O) (98.18%), Sodium Chloride (NaCl) (1.50%), Sodium Hydroxide (NaOH) (0.32%). MADE IN THE USA.

Reg. No. 85021-R | Est. No. 85021-CA-001