

**Safety Data Sheet**  
**Assist Natural Products LLC**

**Trade Name: 5000**

**Section 1 CHEMICAL PRODUCT AND COMPANY INFORMATION**

Manufacturer or Formulator:	Assist Natural Products 218 Evergreen Drive Lena, IL 61048	Product Name:	5000
Issue Date: 06/03/2013		Product Description:	0.40 – 0.50 % 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**

<u>Components</u>	<u>CAS #</u>	<u>Percent</u>
Water	7732-18-5	98.0 – 99.2 %
Sodium Hypochlorite	7681-52-9	0.80 – 2.0 %
Sodium Chloride	7647-14-5	

**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:	>212° F (100° 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:	8.0 – 9.5 @ 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 50  
**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 16 Other Information**

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

**NFPA ratings:** Health: 1

Flammability: 0

Reactivity: 0

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