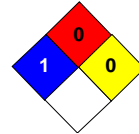




# Material Safety Data Sheet



## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name **Aquasol™ GP**  
Manufacturer Workcell Systems, Inc.  
P.O. Box 1645  
Highland Park, IL 60035  
Telephone Numbers 24-Hour emergency assistance 847-579-0595  
General Assistance 847-579-0595  
Product Class Alkaline detergent blend  
Product Number  
Effective Date April 30, 2012

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME	ACGIH TLV	CAS NUMBER	PERCENT
Sodium metasilicate	Not established	6834-92-0	5 – 15%
Sodium carbonate	Not established	497-19-8	5 – 15%
1-(2-methoxyisopropoxy)-2-propanol	100 ppm	34590-94-8	1 – 10%
Surfactant blend	Not established	Proprietary	5 – 10%

## 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** Clear liquid, light blue color, mild odor.  
May cause irritation to the eyes, skin and respiratory system.

**HEALTH EFFECTS: EYES** May cause slight temporary eye irritation.

**HEALTH EFFECTS: SKIN** Prolonged and/or repeated contact with skin may cause irritation and redness.

**HEALTH EFFECTS: INHALATION** Mist or spray may be irritating to the nose, throat and upper respiratory tract.  
Signs and symptoms of excessive or prolonged overexposure are lightheadedness or nausea.

**HEALTH EFFECTS: INGESTION** Small amounts swallowed are not likely to cause injury. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea and diarrhea.

**SYSTEMIC EFFECTS:**  
**OTHER TARGET ORGANS** None

## 4. FIRST AID MEASURES

**EYES** Flush with large amounts of water for 15 minutes holding eyelids open.  
Get medical attention.

**SKIN** Wash with warm soap and water. Remove contaminated clothing and launder  
Before reuse.

**INHALATION** Remove to fresh air. If dizziness or light headedness persists get medical attention.

**INGESTION** If conscious, dilute by giving 2 glasses of water.  
**NEVER GIVE WATER TO AN UNCONSCIOUS PERSON**  
Call physician or Poison Control Center immediately.  
**DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY QUALIFIED MEDICAL PERSONNEL OR PHYSICIAN.**

**NOTE TO PHYSICIAN** Alkaline water-based detergent. Product contains sodium metasilicate and glycol ether. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

## 5. FIRE FIGHTING MEASURES

<b>FLAMMABLE PROPERTIES</b>	Flash point	None to boiling
	Autoignition temperature	N/A
<b>FLAMMABILITY LIMITS</b>	LEL	N/A
	UEL	N/A
<b>HAZARDOUS COMBUSTION PRODUCTS</b>	Carbon dioxide, carbon monoxide, nitrogen oxides.	
<b>EXTINGUISHING MEDIA:</b>	N/A	
<b>FIRE FIGHTING INSTRUCTIONS</b>	Use full protective equipment including NIOSH approved self-contained breathing apparatus. Under extreme conditions, decomposition products may cause discomfort or a health hazard. Symptoms may not be immediately apparent. GET MEDICAL ATTENTION.	
<b>FIRE FIGHTING EQUIPMENT</b>	For small fires use Class A/B/C Portable fire extinguisher. Water spray may be used to cool closed containers exposed to heat.	

## 6. ACCIDENTAL RELEASE MEASURES

See section 15 for Regulatory Information

### SPILL AND LEAK PROCEDURES

**Protect people:** In case of accidental spill, do not allow contact with food or food handling equipment. Dispose of any contaminated food immediately. Thoroughly wash contaminated food handling equipment with plenty of water. In case of contact with clothing, remove contaminated clothing immediately. Wash clothing and skin with plenty of water.

**Protect the Environment:** In case of accidental spills, keep from discharging into the environment or storm sewers. Avoid discharge into drinking water supply.

**CLEANUP** Absorb on solid absorbent material and shovel into containers for disposal. Dispose in accordance with Federal, State and Local regulations.

**CAUTION: SURFACES MAY BECOME SLIPPERY AFTER SPILLAGE**

## 7. HANDLING & STORAGE

**HANDLING** Use chemical resistant rubber gloves when handling. Use safety goggles or full face protection. Wear chemical resistant apron. If clothing becomes saturated remove immediately and wash skin. Wear shoes with non-skid soles. CAUTION: SURFACES MAY BECOME SLIPPERY AFTER SPILLAGE

**STORAGE** Keep container tightly closed. Keep from freezing. Store between 40°F. and 120°F.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS** General mechanical ventilation is usually sufficient. Respiratory protection is not normally required.

### PERSONAL PROTECTIVE EQUIPMENT

**Eyes / Face:** Safety glasses, face shield.  
**Skin:** Rubber gloves  
**Respiratory:** Use with adequate ventilation. If ventilation is not adequate, use NIOSH approved respirator.  
**General:** Avoid contact with skin and eyes. Avoid breathing vapor and mist. Do not take internally. Wash thoroughly after handling. If clothing becomes saturated remove immediately and wash skin with water.

**EXPOSURE GUIDELINES** See section 2 above

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Light blue non-viscous liquid
Odor	Mild
Flash Point	None to boiling
Boiling Point	192° F.
Density	9.44 lbs/gal
Volatile Organic Compounds (VOC) Content (Calculated)	4.7 g/l
Evaporation Rate (Water=1)	1
Viscosity	1.015 cSt
Solubility in Water	Complete
pH (concentrate)	13.1
pH (10% dilution)	12.3
Freezing point	< 32° F.

## 10. STABILITY & REACTIVITY

### CHEMICAL STABILITY

CONDITIONS TO AVOID	Freezing.
INCOMPATIBILITY	Avoid contact with acids and strong oxidizing agents.
HAZARDOUS DECOMPOSITION	Carbon dioxide, carbon monoxide, nitrogen oxides.
HAZARDOUS POLYMERIZATION	Will not occur

## 11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY	Not determined
LD50 VALUE	Not determined
	Oral: Not determined
	Dermal: Not determined
Mutagenicity	Not determined

## 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE	Completely biodegradable
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## 13. DISPOSAL CONSIDERATIONS

See Section 6 for accidental release guidelines. See Section 15 for Regulatory Information	
<b>DISPOSAL INSTRUCTIONS</b>	Remove any floating or semi-emulsified oils by using mechanical skimming or coalescing equipment. Remove insoluble particulates or sludge by settling or mechanical filtration. pH adjustment may be necessary depending upon the local sewer district requirements. Obtain approval from the local municipal sewer district before discharge into the sanitary sewer system.

## 14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

NMFC Class 55, Compound Cleaning Fluid, NOI 48580-3

## 15. REGULATORY INFORMATION

NOT MEANT TO BE ALL INCLUSIVE — SELECTED REGULATIONS REPRESENTED

**NOTICE:** The information herein is presented in good faith and is believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, State or Provincial, and Local laws and regulations. See other sections for health, safety and disposal information.

### US REGULATIONS

**Toxic Substances Control Act (TSCA):** All components of this product are in compliance with the US Toxic Substances Control Act (TSCA-15USC2602)

**Right-To-Know:** Aquasol GP does not contain any component materials that require disclosure under the OSHA Hazard Communication Standard (29CFR 1910.120) or US Environmental Protection Agency's (EPA) Emergency Planning and Community Right-To-Know Act (EPCRA) regulations under SARA Title III Section 311-312 - 42USC9601.

### National Fire Protection Association (NFPA) Ratings:

Health: 1  
Flammability: 0  
Reactivity: 0

## 16. OTHER INFORMATION

## DISCLAIMER

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