

SECTION I: Identification of the Substance/Mixture and of the Company/Undertaking**1.1 Product Identifier**

Product name: Sixteen90

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use: Surfactant Blend

1.3 Details of the supplier of the safety data sheet

Company: The Aquatrols Company
1273 Imperial Way
Paulsboro, NJ 08066

Website: www.aquatrols.com

Phone number: (856) 537-6003

Email: info@aquatrols.com

1.4 Emergency telephone

Phone number: CHEMTREC - (800) 424-9300

SECTION II: Hazards Identification**2.1 Classification of the substance or mixture**

Product description: Mixture

Classification according to GHS

Not a hazardous substance or mixture

For full text of Hazard Statements: See Section XVI

2.2 GHS label elements

The product does not require a hazard warning label in accordance with GHS criteria.

Hazard Pictogram (CLP):**2.3 Other hazards which do not result in classification**

No specific dangers known if the regulations/notes for storage and handling are considered.

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance/Mixture: Mixture

3.2 Non-hazardous ingredients and impurities

Proprietary blend

SECTION IV: FIRST AID MEASURES**4.1 Description of first aid measures**

General advice: Remove contaminated clothing.

Inhalation: Keep patient calm, remove to fresh air.
If symptoms persist, consult a physician.

Skin contact: Wash thoroughly with soap and water.
Remove contaminated clothing.
If symptoms persist, consult a physician.

Eye contact: Remove contact lenses.
Protect unharmed eye.
Wash affected eyes for at least 15 minutes under running water
with eyelids held open.
If eye irritation persists, consult a specialist.

Ingestion: Rinse mouth thoroughly then drink plenty of water.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed.

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Hazards: No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Note to physician: Symptomatic treatment (decontamination, vital functions).

SECTION V: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media: Water spray, dry powder, foam. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Unburned hydrocarbons, carbon oxides.

Hazardous decomposition products: Unburned hydrocarbons, carbon oxides.

5.3 Advice for firefighters

Special protective equipment: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information: Standard procedure for chemical fires. Contaminated extinguishing water must be disposed of in accordance with local regulations.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Further accidental release measures: High risk of slipping due to leakage/spillage of product.

6.1 Personal precautions, protective equipment, and emergency procedures.

Use personal protective clothing. Information regarding personal protective measures see Section 8. Do not touch or walk into spilled material. Provide adequate ventilation.

6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleanup

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.

For large amounts:	Pump off product. Spills should be contained, solidified, and placed in suitable containers for disposal. Flush contaminated area with plenty of water.
Disposal:	Dispose of in accordance with local regulations.

6.4 Reference to other sections

See Section VII for Handling and Storage.

SECTION VII: HANDLING AND STORAGE

7.1 Precautions for safe handling of the substance/mixture.

Advice on safe handling and usage: No special measures necessary when product is used correctly.
For personal protection see section 8.

Hygiene measures: Personal hygiene is an important workplace practice exposure control measure and the following general measures should be taken when working with or handling this material:
1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3) Wash exposed skin promptly to remove accidental splashes or contact with material.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Precautions for Safe Handling: No special measures necessary provided product is used correctly.

Conditions for Safe Storage: Keep container tightly closed in a cool, dry, well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Electrical installations/working materials must comply with the technological safety standards.

Protections against fire and explosion: Normal measures for preventive fire protection.

To be avoided:

No materials to be especially mentioned.
Keep away from open flames, hot surfaces, and sources of ignition.
No decomposition if stored and applied as directed.

Storage stability

Storage temperature:

See label, package insert or internal guidelines.
No decomposition if stored and applied as directed.
Protect from temperatures above 70C. Properties of the product change irreversibly on exceeding the limit temperature.
Bulk must be protected from low temperatures that would result in solidification.

7.3 Specific end use(s)

See Section I

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

General comments

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Exposure limits: Not established

Protective measures: Provide adequate ventilation. Ensure that eyewash stations and safety showers are close to workstation. Emergency equipment immediately accessible, with instructions for use. Selection of appropriate personal protective equipment should be based on an evaluation

of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.

Respiratory protection: Provide adequate ventilation. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection: Wear chemical resistant protective gloves. Replace torn or punctured gloves promptly. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection: Eye contact should be prevented through the use of safety glass with side-shields. Eye and face protection will vary dependent upon work, environmental conditions and material handling practices

Body protection: Footwear protecting against chemicals; impervious clothing. Choose body protection according to the amount and concentration of the substance at the work place.

Hygiene measures: Personal hygiene is an important workplace practice exposure control measure and the following general measures should be taken when working with or handling this material:

- 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

SECTION IX: CHEMICAL AND PHYSICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Form:	Liquid
Color:	Clear to light yellow liquid
Odor:	Mild, product specific
Odor threshold:	No data available
pH:	5.0 – 7.0 (5% w/w)
Freezing point:	No data available
Flashpoint:	No data available
Evaporation rate:	No data available
Flammability:	Not self-igniting
Upper explosive limit:	No data available
Lower explosive limit:	No data available
Vapor pressure:	No data available
Relative density:	1.00-1.06 (73°F (23°C))
Solubility:	Soluble in water
Partition n-octanol/water:	No data available
Autoignition temperature:	Not self-igniting
Thermal decomposition:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 Other information

Not applicable

SECTION X: STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions if stored and handled as indicated.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

10.4 Conditions to avoid

Avoid humidity. Keep away from heat and sources of ignition. Keep away from flames and sparks. Avoid exposure to air or light when not using product.

10.5 Incompatible materials

Acids, alkalines, caustics, halogens, reactive chemicals.

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as indicated.

SECTION XI: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity: Not classified based on available information.

Skin corrosion/irritation: Not classified based on available information.

Serious eye damage/irritation: Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.

Symptoms of exposure: No significant symptoms are expected due to the non-classification of the product.

SECTION XII: ECOLOGICAL INFORMATION**12.1 Ecotoxicity:**

No data available.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

SECTION XIII: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Advice on disposal: Dispose of in accordance with national, state and local regulations. In concentrated form this product should not be allowed to enter drains or waterways. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate. Please be advised that local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult local regulations regarding proper disposal of this material.

Contaminated containers: Dispose of in a licensed facility. Containers are not to be reused. Rinse with appropriate solvent and dispose of contents/container in accordance with local regulations.

SECTION XIV: TRANSPORT INFORMATION

Land Transport

USDOT Not classified as a dangerous good under transport regulations.

Sea Transport

IMDG Not classified as a dangerous good under transport regulations.

Air Transport

IATA/ICAO Not classified as a dangerous good under transport regulations.

SECTION XV: REGULATORY INFORMATION

EPCRA – Emergency Planning and Community Right-to-Know Act

EPCRA 311/312 Hazard categories: Not hazardous

NPFA Hazard Codes:

Health: 1 Fire: 1 Reactivity: 0 Special: N/A

HMIS III Rating

Health: 1 Flammability: 1 Physical Hazard: 0

SECTION XVI: OTHER INFORMATION**Abbreviations**

ADR:	European Agreement Concerning the International Carriage of Dangerous Goods by Road
IMDG:	International Maritime Code for Dangerous Goods
LC50:	Lethal Concentration 50%
LD50:	Lethal Dose 50%
EC50:	Effective Dose 50%
CLP:	Classification, Labelling and Packaging
CAS:	Chemical Abstract Service
RID:	Regulations concerning the International Carriage of Dangerous Goods by Rail
IATA-DGR:	International Air Transport Association Dangerous Goods Regulations
GHS:	Globally Harmonized System (GHS) of Labelling Chemical Products
Hazard Statements:	Non-hazardous material.

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The information in this SDS, to our knowledge, is accurate at the date of publication. This information is intended as a guide for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a guarantee or indication of quality. The information relates only to the specific material and may not be valid in combination with other products or used in any process, unless specified in the text.