



SERVICIDE 09

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Identifier: SERVICIDE 09

Manufactured by: Aquaserv, Inc.
570 N. Rivergate Rd.
Memphis, TN 38109

24 Hour Emergency Phone: (901) 525-7701

CHEMTREC: (800) 424-9300

Recommended use: **Disinfectant / Sanitizer**
This product is not intended to be diluted prior to use. Use this product in strict accordance with label precautionary statements and directions. For further information refer to the EPA registered product label.

SECTION 2 – HAZARDS IDENTIFICATION

Physical hazards: Not classified.

Health hazards: Serious Eye Damage/Eye Irritation Category 2B

OSHA defined hazards: Not classified.

Label elements: None

Signal word: WARNING

Hazard statements: H320: Causes eye irritation.

Prevention: P264: Wash affected areas thoroughly after handling.

Response: P305+P351+P338+P313: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage: P233: Keep container tightly closed.
P234: Keep only in original container.

Disposal: P501: Dispose of contents/container at a disposal facility in accordance with local regulations.

Hazard(s) not otherwise classified (HNOC): No information available.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	% by wt.
Not classified		

Within present knowledge, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

SECTION 4 – FIRST AID MEASURES

General Advice: Show this safety data sheet to medical personnel. Do not leave affected person unattended.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Skin Contact: No known effect after skin contact. Rinse with water for a few minutes.

If Inhaled: No special measures required. Treat symptomatically.

If Swallowed: Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed: The most important known symptoms and effects are described in the labeling (section 2.2) and/or in section 11. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness could result. Prolonged or repeated skin contact may aggravate existing skin conditions. Inhalation of mists may aggravate existing chronic respiratory conditions such as asthma, emphysema or bronchitis.

Indication of immediate medical attention and special treatment needed: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point and Method: None

Extinguishing Media: The product is not flammable. Use media suitable for the material that is burning.

Special Firefighting Procedures: Use self-contained breathing apparatus (SCBA) and proper personal protection clothing. Container may rupture on heating. Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.

Unusual Fire and Explosive Hazards: There are no known unusual fire and explosion hazards associated with this material in its virgin form. However, in a fire-fighting scenario involving multiple chemicals, fire fighters should be aware of possible synergistic effects and attack the fire accordingly.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Spill area may be slippery. Wear appropriate protective equipment (See Section 8). Avoid contact of spilled material and runoff with soil and surface waterways.

Small Spill or Leak Procedures: Stop leak if safe to do so. Close or cap valves and /or block or plug hole in leaking container and transfer to another container. Contain spill and soak up as much material as possible with a suitable absorbent (vermiculite, fuller's earth, or sand). Shovel up and place collected material into suitable, properly labeled, closed containers for disposal in accordance with local regulations. Wear appropriate protective equipment to prevent eye and prolonged skin contact. Use a water rinse for final clean-up.

Large Spill or Leak Procedures: Dike large spills with soil or sandbags to contain it and prevent its spread. Wear appropriate protective equipment to prevent eye and prolonged skin contact. Close or cap valves and /or block or plug hole in leaking container and transfer to another container. Use appropriate containment to avoid runoff release to sewer or waterways. Remove containers of incompatible material from the release area. Use a water rinse for final clean-up.

Review each section of this SDS before responding to a spill or leak of this product. For detailed disposal information see section 13.

SECTION 7 - HANDLING AND STORAGE

Handling: Does not require any specific or particular measures. Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment as described in Section 8. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of reach of children.

Storage: Does not require any specific or particular measures. Keep container tightly closed. Open containers must be carefully resealed and kept upright to prevent leakage.

Other Precautions: Hazardous reactions may occur on contact with certain chemicals. Refer to the list of incompatible materials Section 10: "Incompatible materials."

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Introductory remarks: 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. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers

Personal Protective Equipment:

Respiratory protection:	A respirator is not needed under normal and intended conditions of product use.
Hand protection:	No protective equipment is needed under normal use conditions.
Eye protection:	No protective equipment is needed under normal use conditions.
Skin and body protection:	No protective equipment is needed under normal use conditions.

Hygiene measures: Personal hygiene is an important work 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 product.

Engineering Controls: Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

General Work Practices: Wash thoroughly before handling food or beverages.

Occupational Exposure Limits:

Substance	Not reportable		
CAS No.			
	Type	ppm	mg/m ³

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colorless to straw colored liquid
Odor	Benzaldehyde (organic) odor
Odor Threshold	Not Available
pH (SU at 25°C)	7 - 9
Melting / Freezing Point (°C)	0 °C (32 °F)
Initial Boiling Point / Range	100°C - 212°F
Flash Point (°C)	>200°F (>93°C)
Evaporation Rate (Water=1)	Not available
Flammability	Not available
Lower Flammability Limit (%)	Not available
Lower Flammability Limit (%)	Not available
Vapor Pressure (kPa at 20°C)	Not available
Vapor Density (Air = 1)	Estimated to be heavier than air.
Relative Density at 25°C (Specific Gravity of water = 1)	0.99 (8.3 lbs./gal)
Solubility in Water	Soluble in all proportions
Octanol / Water Partition Coefficient (log Kow)	Not available
Autoignition Temperature (°C)	Not available
Decomposition Temperature (°C)	Not available
Viscosity (cSt at 22°C)	22
VOC	0.013% (estimated)
Explosive Properties	Not available
Oxidizing Properties	Not available

NOTE: The above represents typical values and should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable and non-reactive under normal conditions of use, storage, and transport.

Conditions to Avoid: No information available

Materials to Avoid: Anionic surfactants

Hazardous Decomposition Products: Oxides of carbon and nitrogen

Possibility of Hazardous Reactions: No hazardous reactions to be expected under recommended handling, storage, and transport conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION**Product Summary:**

Causes eye irritation.

No data available for the teratogenicity, mutagenicity, or reproductive toxicity of this product. No data available to designate the product as causing specific target organ toxicity through repeated exposure. No data available to designate product as an aspiration hazard.

Information on likely routes of exposure:

Eye contact	Causes eye irritation. Symptoms may include irritation, watering, redness
Skin contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Sensitization	No known effects

Primary Routes of Exposure (Chronic): Not expected to cause any adverse chronic health effects.

Acute toxicity

Acute oral:	LD ₅₀ >5000 mg/kg
Acute dermal:	LD ₅₀ >2000 mg/kg
Acute inhalation:	No information available
Acute toxicity (other):	No information available

Skin corrosion/irritation

Skin irritation: No known significant effects or critical hazards.

Serious eye damage/eye irritation

Eye irritation: Causes eye irritation. Symptoms may include irritation, watering, redness.

Respiratory or skin sensitization

Sensitization: Not classified as sensitizing by skin contact.

Mutagenicity

Genotoxicity in vitro:	No information available
Genotoxicity in vivo:	No information available

Carcinogenicity

Carcinogenicity: This product does not contain any ingredient designated as probable or suspected human carcinogens by IARC, NTP, ACGIH, and/or OSHA.

Toxicity for reproduction and development

Toxicity to reproduction/fertility: No information available
Developmental toxicity/teratogenicity: No information available

Specific Target Organ Toxicity (STOT)

STOT-single exposure: No information available
STOT-repeated exposure: No information available

Aspiration toxicity

Aspiration toxicity: No information available

Other Hazards:

No information available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No information available

Persistence and degradability: Readily biodegradable. Not persistent in the environment.

Bioaccumulative potential

Partition coefficient: n-octanol/water: No bioaccumulation is to be expect ($\log Pow \leq 4$)
Bioconcentration factor (BCF): No information available.

Mobility in soil

Known distribution to environmental compartments: No information available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal procedure: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control agency or the Hazardous Waste representative at the nears EPA Regional Office for guidance. Chemical additions, processing or otherwise altering this material may make waste management information presented in the SDS incomplete, inaccurate or otherwise inappropriate. Observe all applicable federal, state, and local regulations.

Contaminated packaging:

Non-refillable container - Do not reuse container (bottle, cans, jars). Triple rinse (or equivalent). Offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

Refillable container - Refill this container with pesticide only. Do not reuse this container for any other purpose. To clean the container before final disposal; empty the remaining contents from this container into application equipment or a mix tank. Drain rinsate into application equipment and dispose of according to Pesticide Disposal instructions. Triple rinse container (or equivalent) promptly after emptying. Continue to drain for 10 seconds after the flow ends. Repeat this procedure two more times.

SECTION 14 - TRANSPORT INFORMATION

DOT Hazard Classification: Not regulated

SECTION 15 - REGULATORY INFORMATION**INTERNATIONAL CHEMICAL REGISTRATION INFORMATION****Registration for All Components:**

United States (TSCA) registered or exempt:	Yes
Australia (AICS) registered or exempt:	Yes
Canada (DSL/NDSL) registered or exempt:	Yes
China (IECSC) registered or exempt:	Yes
Europe (EINECS) registered or exempt:	Yes
Japan (ENCS) registered or exempt:	Yes
Korea (ECL) registered or exempt:	Yes
Philippines (PICCS) registered or exempt:	Yes

US REGULATIONS**SARA 313:**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization:

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):

This product does not contain any HAP's

Federal Insecticide, Fungicide and Rodenticide Act (FIFRA):

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

WARNING

Causes eye irritation.

EPA Reg. No.: 10324-85-72714

SECTION 16 – OTHER INFORMATION

NFPA-Classification		HMIS-Classification	
Health	1 slight	Health	1 slight
Flammability	0 insignificant	Flammability	0 insignificant
Instability or Reactivity	0 insignificant	Reactivity	0 insignificant
		HMIS PPE	

Key or legend to abbreviations and acronyms used in the safety data sheet	
ACGIH: American Conference of Governmental Industrial Hygienists	NIOSH: National Institute for Occupational Safety and Health
HMIS: Hazardous Materials Identification System	NTP: National Toxicology Program
IARC: International Agency for Research on Cancer	OSHA: Occupational Safety and Health Administration
NFPA: National Fire Protection Association	

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Prepared by: Product Stewardship Team

This Safety Data Sheet was prepared to comply with the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Aquaserv provides no warranties; either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. The data contained in this Safety Data Sheet reflects the latest information available to us on hazards, properties, and handling of this product under the recommended conditions of use. The information on this Safety Data Sheet relates only to the material as supplied and does not relate to combinations with other materials or processes.