SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: PERAFOAM  
Product Code: 98  
Product Use: Water Base Foam Additive

Enviro Tech Chemical Services, Inc.  
500 Winmoore Way Modesto, CA 95358  
(209) 581-9576 (7 AM to 5 PM, PST, Monday to Friday)

24 Hr. Emergency Tel.#: 800-255-3924

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the Substance or Mixture:
- Serious Eye Damage - Category 1  
- Skin Irritation - Category 2  
- Acute Toxicity - Oral Category 4  
- Acute Toxicity - Dermal Category 4

Signal Word: DANGER

Hazard Statements:
- Causes serious eye damage  
- Causes skin irritation  
- Harmful if swallowed  
- Harmful in contact with skin

Precautionary Statements:
Prevention
- Wear protective gloves/protective clothing/eye protection/face protection.  
- Wash hands thoroughly after handling  
- Do not eat, drink or smoke when using this product.

Response
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.  
- IF ON SKIN: Wash with soap and water.  
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
- IF SKIN IRRITATION OCCURS: Get medical advice/attention.  
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.  
- IF EYE IRRITATION PERSISTS: Get medical advice/attention.  
- Immediately call a POISON CENTER or doctor/physician.  
- Take off contaminated clothing and wash before reuse  
- For specific treatment see Section 4 First Aid.

Disposal
Dispose of contents/container in accordance with local regulations.

Hazards not Otherwise Classified:
No other hazards classified.

Classification of the Product AT USE DILUTION:
- Acute Toxicity - Oral Category 5

GHS label elements for Product AT USE DILUTION
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Signal Word: NONE

Hazard Pictograms: NONE

Hazard Statements:
May be harmful if swallowed

Precautionary Statements:
Prevention
Wash hands thoroughly after handling
Do not eat, drink or smoke when using this product.

Response
IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Disposal
Dispose of contents/container in accordance with local regulations.

Hazards not Otherwise Classified:
No other hazards classified.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Synonym</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM LAURYL SULFATE</td>
<td>SLS</td>
<td>151-21-3</td>
<td>5-10%</td>
</tr>
<tr>
<td>SODIUM DODECYLBENZENE SULFONATE</td>
<td>N/A</td>
<td>25155-30-0</td>
<td>5-10%</td>
</tr>
</tbody>
</table>

Product AT USE DILUTION

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Synonym</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXIDE</td>
<td>H2O2</td>
<td>7722-84-1</td>
<td>0.37-1.40%</td>
</tr>
<tr>
<td>PEROXYACETIC ACID</td>
<td>PAA</td>
<td>79-21-0</td>
<td>0.08-0.30%</td>
</tr>
</tbody>
</table>

SECTION 4 - FIRST-AID MEASURES

Inhalation: Get medical advice/attention if you feel unwell or are concerned.

Skin Contact: Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water with a flushing duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard.

Eye Contact: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

Most Important Symptoms and Effects, both Acute and Delayed: Causes irritation/burns that may result in permanent impairment of vision, even blindness. Contact with skin can cause irritation. May be harmful if swallowed.

Product AT USE DILUTION:

Inhalation: Seek medical attention if symptoms occur.

Skin Contact: Rinse with plenty of water.

Eye Contact: Rinse with plenty of water.

Ingestion: Rinse mouth. Immediately call a poison center/doctor if symptoms occur.

Most Important Symptoms and Effects, both Acute and Delayed: Irritation of the gastrointestinal tract.

Indication of any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Use water spray, powder, foam, carbon dioxide.

Special hazards arising from the substance or mixture: Non combustible. May give off irritating or toxic fumes (or gases) in a fire.


Hazardous Combustion Products: Non combustible

Special protective equipment and precautions for firefighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.
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Product AT USE DILUTION:

Extinguishing Media: Material is not flammable.

Special hazards arising from the substance or mixture: No special hazards known.


Hazardous Combustion Products: None known.

Special protective equipment and precautions for firefighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment as specified in Section 8. Keep unnecessary and unprotected personnel from entering.

Methods and materials for containment and cleaning up: SMALL SPILLS (less than 1 gallon): May be flushed to an approved sewer line (with large amounts of water). Larger spills should be absorbed and collected for disposal. Ensure adequate decontamination of tools and equipment following clean up.

Product AT USE DILUTION:

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Methods and materials for containment and cleaning up: Dike small spills with inert material (sand, earth, etc.). Collect in plastic containers only. Wash area and let dry.

Special spill response procedures: Collect spills in plastic containers only. Prevent from entering sewers, waterways, or low areas.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Conditions for Safe Storage: Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well-ventilated area away from heat or open flame.

Incompatible Materials: None known

Product AT USE DILUTION:

Precautions for Safe Handling: Do not swallow or ingest. Wash hands thoroughly after handling.

Conditions for Safe Storage: Store in a cool, dry, well ventilated place away from direct sunlight. Keep container closed when not in use.

Incompatible Materials: Avoid strong reducing agents, soft metals, heat and bases.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation and engineering measures: No additional ventilation needed

Respiratory Protection: No additional respiratory protection needed.

Skin Protection: Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

Eye/Face Protection: Wear safety glasses, goggles and/or face shield to prevent eye contact.

Other Protective Equipment: Eye wash facility and emergency shower should be in close proximity.

General Hygiene Conditions: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

Product AT USE DILUTION:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NO.</th>
<th>TWA</th>
<th>STEL/CEILING</th>
<th>TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXIDE</td>
<td>7722-84-1</td>
<td>1 ppm</td>
<td>1 ppm/N/A (CalOSHA)</td>
<td>1 ppm</td>
<td>N/A</td>
</tr>
<tr>
<td>PERACETIC ACID</td>
<td>79-21-1</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>0.4 ppm</td>
</tr>
</tbody>
</table>

Ventilation and engineering measures: No special equipment needed.

Respiratory Protection: No special personal protective equipment (PPE) required.

Skin Protection: No personal protective equipment (PPE) required.

Eye/Face Protection: No personal protective equipment (PPE) required.

Other Protective Equipment: No special protective equipment required.

General Hygiene Conditions: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
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Appearance: Colorless clear liquid
Odor: Mild soap odor
Odor threshold:
pH: 6.5-7.5
Melting/Freezing point: No information available
Initial boiling point and boiling range: 214°F / 101°C
Flash Point: No information available
Flammability (solid, gas): Non flammable
Relative density: 1.05 g/mL
Solubility in Water: Complete
Decomposition temperature: No information available
Viscosity: 35-55 cSt at 20°C / 68°F

Product AT USE DILUTION:
Appearance: Clear colorless liquid
Odor: Slight vinegar odor
pH (3000 ppm – 80 ppm PAA): 2.6-6.0
Foam stability: 2.5 hours

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Non reactive
Chemical Stability: Stable under normal conditions
Possibility of Hazardous Reactions: None known
Conditions to Avoid: None known
Incompatible Materials: None known
Hazardous Decomposition Products: None known

Product AT USE DILUTION:
Reactivity: Reactive with bases, metals, reducing agents and combustible materials
Chemical Stability: Chemical stability may be drastically reduced if hard water is used.
Possibility of Hazardous Reactions: May react with incompatible materials
Conditions to Avoid: Incompatible materials and high temperatures
Incompatible Materials: Reactive with bases, metals, reducing agents and combustible materials
Hazardous Decomposition Products: None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
Routes of entry - inhalation: YES
Routes of entry - skin & eye: YES
Routes of entry - ingestion: YES
Routes of entry - skin absorption: NO

Potential Health Effects:
Signs and symptoms of short term (acute) exposure:
Inhalation: Not a respiratory irritant.
Ingestion: May cause irritation to digestive system
Skin: May cause skin irritation including redness, edema, swelling, rash, scaling or blistering, drying and/or cracking of skin. Harmful if absorbed through the skin.
Eye: Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

Mutagenicity: Not known to have mutagenic effects in humans or animals.
Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.
Reproductive effects: No known reproductive effects in humans or animals.

Sensitization to material: Not a known sensitizer in humans or animals.

Specific target organ effects: No known specific target organ effects.

Toxicological data: The calculated ATE values for this mixture are:
ATE oral = 2000 mg/kg (rat)
ATE dermal = 2000 mg/kg (rabbit)
ATE inhalation = no information available

Product AT USE DILUTION:

Information on likely routes of exposure:
Routes of entry - inhalation: NO
Routes of entry - skin & eye: NO
Routes of entry - ingestion: YES
Routes of entry - skin absorption: NO

Potential Health Effects:
Signs and symptoms of short term (acute) exposure:
Inhalation: Not a respiratory irritant.
Ingestion: May cause irritation to the digestive system.
Skin: Not a skin irritant but may cause skin irritation on some individuals if not washed from skin. Rinse hands thoroughly if exposed.
Eye: Not an eye irritant.

Potential Chronic Health Effects:
Mutagenicity: No known mutagenic effects.
Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.
Reproductive effects: No known reproductive effects.
Sensitization to material: No expected to cause sensitization.
Specific target organ effects: No information available.
Medical conditions aggravated by overexposure: No information available.

Toxicological data: The calculated ATE values for this mixture are:
ATE oral = 4789 mg/kg
ATE dermal = >10,000 mg/kg
ATE inhalation = >20 mg/L or >20,000 ppm

SECTION  12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not expected to be toxic to the environment.
Persistence and degradability: Not expected to persist. Readily biodegradable.
Bioaccumulation potential: No information available.
Mobility in soil: No information available.

Product AT USE DILUTION
Ecotoxicity: No information available.
Persistence and degradability: No information available.
Bioaccumulation potential: No information available.
Mobility in soil: No information available.

SECTION  13 - DISPOSAL CONSIDERATIONS

Handling for disposal: Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.
Method of disposal: Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
SARA: The Superfund Amendments and Reauthorization Act
RCRA: Resource Conservation and Recovery Act
TSCA: Toxic Substances Control Act
CFR: Code of Federal Regulations
DOT: Department of Transportation
ATE: Acute Toxicity Estimate