

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: PERAFOAM

Product Use: Water Base Foam Additive

Best Sanitizers, Inc.

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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

Ingredient	Synonym	CAS Number	Concentration
SODIUM LAURYL SULFATE	SLS	151-21-3	5-10%
SODIUM DODECYLBENZENE SULFONATE	N/A	25155-30-0	5-10%

Product AT USE DILUTION

Ingredient	Synonym	CAS Number	Concentration
HYDROGEN PEROXIDE	H2O2	7722-84-1	0.37-1.40%
PEROXYACETIC ACID	PAA	79-21-0	0.08-0.30%

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.

Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012): Non flammable

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.

Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012): Non flammable

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:

EXPOSURE LIMITS:

CHEMICAL NAME	CAS NO.	TWA	OSHA PEL	ACGIH TLV	
			STEL/CEILING	TWA	STEL
HYDROGEN PEROXIDE	7722-84-1	1 ppm	1 ppm/N/A (CalOSHA)	1 ppm	N/A
PERACETIC ACID	79-21-1	N/A	N/A	N/A	0.4 ppm

Ventilation and engineering measures: No special equipment needed.

Respiratory Protection: No respiratory 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.

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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.

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RCRA: Not a listed RCRA hazardous waste.

SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

US 49 CFR/DOT/IATA/IMDG Information: Non hazardous material

Environmental hazards: Not a Marine Pollutant

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA information: No information available.

US CERCLA Reportable quantity (RQ): Non regulated material.

SARA Title III: No chemicals in this product are subject to SARA Title III reporting.

FIFRA Classification/Typical Hazard Labeling, as outlined in EPA Label Review Manual

Hazard Data

Signal Word	DANGER
Acute Toxicity, oral	Category IV
Acute Toxicity, dermal	Category IV
Acute Toxicity, inhalation	Not submitted
Skin irritation/corrosion	Category III
Serious eye damage	Category I
Sensitization	Not submitted
Environmental (aquatic) toxicity	Not submitted

SECTION 16 - OTHER INFORMATION

Legend:

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

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