

Silver Fern Chemical Inc.

SAFETY DATA SHEET

PAA 17

SECTION 1 - IDENTIFICATION

(15% Peroxyacetic Acid Blend)

Product Identifier: PAA 17
Alternate Identifier: 15% Peroxyacetic Acid Blend
Product Use: Organic-based oxidation and odor control (see Technical Data Sheet)
Chemical Family: Oxidizer

Distributed By: Silver Fern Chemical, Inc.
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SECTION 2 - HAZARDS IDENTIFICATION

Classification of the Substance or Mixture:

Skin Corrosion - Category 1
 Serious Eye Damage - Category 1
 Oxidizing Liquids - Category 2
 Corrosive to Metals - Category 1
 Organic Peroxides - Type F
 Acute Toxicity - Oral Category 4
 Acute Toxicity - Dermal Category 5
 Hazardous to the Aquatic Environment, Acute Toxicity Category 2



Signal Word: DANGER

Hazard Statements:

Causes severe skin burns and eye damage
 May intensify fire; oxidizer
 May be corrosive to metals
 Harmful if swallowed
 May be harmful in contact with skin
 Toxic to aquatic life
 Heating may cause fire

Precautionary Statements:

Prevention

Wear protective gloves/protective clothing/eye protection/face protection.
 Wash hands thoroughly after handling
 Keep away from heat/sparks/open flames/hot surfaces - No smoking.
 Keep/Store away from clothing/combustible materials.
 Do not eat, drink or smoke when using this product.
 Keep only in original container.
 Take any precaution to avoid mixing with combustibles.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER or doctor/physician.
 For specific treatment see Section 4 First Aid.
 Wash contaminated clothing before reuse.
 In case of fire: Use dry sand, dry chemical, or alcohol resistant foam for extinction.
 Absorb spillage to prevent material damage.

Storage

It is recommended to store this product at temperatures where the bulk liquid will not exceed 86°F / 30°C. Keep cool.

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EXPOSURE LIMITS:		OSHA PEL		ACGIH TLV	
		CHEMICAL NAME	CAS NO.	TWA	STEL/CEILING
ACETIC ACID	64-19-7	10 ppm	15 ppm/40 ppm (CalOSHA)	10 ppm	15 ppm
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: Forced air, local exhaust, or open air is adequate.

Respiratory Protection: In case of confined spaces or high levels encountered in the air, wear self contained breathing apparatus.

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

Eye/Face Protection: Wear chemical goggles; also wear a face shield if splashing hazard exists.

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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless liquid

Odor: Vinegar odor

pH: <1 (1:10)

Melting/Freezing point: <10° F / <-12 ° C

Initial boiling point and boiling range: No information available

Flash Point: >207° F / >98 ° C

Flammability (solid, gas): Non flammable

Vapor Pressure (mm Hg): 27

Specific gravity: 1.14 g/mL

Solubility in Water: Complete

Auto ignition Temperature: >518° F / >270° C

Decomposition temperature: No information available

Viscosity: 10-20 cSt at 20°C / 68°F

Volatiles (% by weight): >99

Volatile Organic Compounds (VOC's): No information available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Reactive with bases, metals, reducing agents and combustible materials

Chemical Stability: Stable for up to 1 year when stored under normal conditions.

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: Oxygen which supports combustion.

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: Inhalation of the mist may produce severe irritation of respiratory tract, characterized by coughing, choking, shortness of breath, headaches, dizziness, nausea, weakness and/or drowsiness.

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Ingestion: Corrosive! Swallowing causes severe burns of mouth, throat, and stomach. Severe scarring of tissue, corrosion, permanent tissue destruction and death may result. Symptoms may include severe pain, nausea, vomiting, diarrhea, shock, hemorrhaging and/or fall in blood pressure. Damage may appear days after exposure.

Skin: Corrosive! Contact with skin causes irritation or severe burns and scarring with greater exposures.

Eye: Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

Potential Chronic Health Effects:

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 information available.

Medical conditions aggravated by overexposure: No information available

Toxicological data: The calculated ATE values for this mixture are:

ATE oral = 494 mg/kg

ATE dermal = 2281 mg/kg

ATE inhalation = >20 mg/L or >20,000 ppm

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: May harmful to aquatic life.

Persistence and degradability: Not expected to persist. Expected to readily biodegrade.

Bioaccumulation potential: Not expected to bio accumulate.

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.

RCRA: If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of: Corrosivity D002

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:

UN No.: 3109

UN Proper Shipping Name: Organic peroxide type F, liquid (<=25% peracetic acid with <=26% hydrogen peroxide)

Transportation hazard class(es): 5.2 (8)

Environmental hazards: No hazards identified.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA information: All components are listed on the TSCA inventory.

US CERCLA Reportable quantity (Hazardous substance RQ): Acetic acid has a RQ of approximately 31000 lbs. of as is chemical.

US EPCRA Reportable quantity (Extremely hazardous substance RQ): Peracetic acid has a RQ of approximately 3500 lbs. of as is chemical.

Clean Air Act Section 112(r) Threshold Quantity (TQ): Peracetic acid has a TQ of approximately 66000 lbs. of as is chemical.

SARA Title III: Reactivity Hazard, Acute Health Hazard

International Information: WHMIS: Class C: Oxidizing material. Class E: Corrosive material

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.

SECTION 16 - OTHER INFORMATION

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NFPA	Health Hazards 3	Flammability 1	Stability 1	Special Hazards OX, COR
HMIS	Health Hazards 3	Flammability 1	Physical Hazard 1	Personal Protection C

NFPA/HMIS Ratings Legend

Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0
 Special hazards: OX = Oxidizer; COR = Corrosive
 Personal Protection = C (safety glasses, gloves, protective apron)

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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