



MSDS- Material Safety Data Sheet

Section 1: Product & Company Identification

Trade Name: Peroxy Punch 15
Version #: 1A
Revision Date: 05/22/2018
EPA Est. No: 63838-CA-01: 63838-AR-002
Product Class: Peroxyacetic Acid, PAA
Distributor: Flo-Tec, Inc.
2151 34th Way North
Largo, FL 33771
Emergency: Chemtrec 800-424-9300
Chemtrec Int'l 703-527-3887
General Information: 727-531-8796

Section 2: Composition/Information on Ingredients

Components	CAS #	EINECS #	Wt. %
Peroxyacetic Acid	79-21-0	201-186-8	14-17
Hydrogen Peroxide	7722-84-1	231-765-0	21-23
Acetic Acid	64-19-7	200-580-7	14-20
Water	7732-18-5	231-791-2	Balance

Section 3: Hazards Identification

PHYSICAL PROPERTY: Liquid with a sharp, pungent, vinegar-like odor.

EMERGENCY OVERVIEW: DANGER! OXIDIZER! CONTACT WITH ORGANIC MATERIALS MAY CAUSE VIOLENT REACTION. CAUSES EYE AND SKIN BURNS.

ROUTES OF ENTRY: Skin contact, eye contact, inhalation, ingestion.

Section 4: First Aid Measures

Eye Contact: Immediately rinse eyes with water for at least 15 minutes, lifting upper and lower eyelids intermittently. See a medical doctor immediately.

Skin Contact: Remove contaminated clothing and thoroughly wash with soap and water. If irritation occurs and persists, contact a physician.

Inhalation: Remove from area to fresh air. If breathing discomfort occurs and persists, seek medical attention. If breathing has stopped, give artificial respiration. See medical doctor immediately.

Ingestion: Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. **DO NOT** induce vomiting. See a medical doctor immediately.

Section 5: Fire Fighting Measures

FLASH POINT: 200° F (closed cup)
AUTO IGNITION TEMP: 270° F
EXTINGUISHING MEDIA: Water spray, carbon dioxide, foam.
POLYMERIZATION: Will not occur.
FIREFIGHTING PROCEDURES: Use flooding quantities of water only. Use water spray to keep all containers cool. Fight fire from protected or removed distance. Chemical type extinguishers are not very effective. Use proper personal protective equipment and positive pressure self-contained breathing apparatus.
HAZARDOUS DECOMPOSITION: Oxygen that supports combustion.

Section 6: Accidental Release Measures

Personal Precautions: Approach release from upwind. Wear special protective clothing and using positive pressure self-contained breathing apparatus.

Environmental Precautions: Do not allow undiluted material to enter storm or sanitary sewer systems.

Methods of Containment: Stop or control leak. Control run off and isolate discharged material for proper disposal, dike spills with non-reactive material such as sand. Neutralize with soda ash (sodium carbonate) broadcasted on surface. Use 1 to 1.5 lb. of soda ash for each gallon of spilled material. The resultant neutralized product will become carbon dioxide and water. Flush material with water and collect for disposal into plastic container. A flush to sewer may be allowed if approved by local authority. Dispose of in accordance with federal, state or local laws.

Methods for cleaning up: Combustible materials should be removed and/or rinsed with water to ensure all residual hydrogen peroxide is removed to the extent possible. Residual hydrogen peroxide that is allowed to dry (upon evaporation hydrogen peroxide can concentrate) on organic materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire.

Section 7: Handling & Storage

HANDLING: Store drums in upright position only. Empty drums as thoroughly as possible. Triple rinse before disposal. Never return product to original container.

STORAGE: Do not store near reducing agents, fuels or other non-compatible materials. Store in a cool, dry, well-ventilated area. For quality purposes, avoid temperatures above 86°F. Higher

temperatures will accelerate decomposition resulting in a loss of assay. Do not store in direct sunlight, or near sources of ignition or heat. **DO NOT STORE IN DIRECT SUNLIGHT** or near sources of ignition or heat. Do not double stack. Use first in, first out storage system. Containers must be vented. Expected shelf-life: one year. Storage temperature range: 5-30°C; protect from freezing.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide mechanical local exhaust ventilation to prevent release of mist into the work area. If ventilation is inadequate or not available, use acid gas cartridge or canister with full face-piece.

Personal Protective Equipment

EYE/FACE: Wear chemical splash goggles or face shield.

SKIN: Use synthetic gloves, footwear and aprons, or full protective clothing. Thoroughly wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks. Hydrogen peroxide is an ingredient in this product: completely submerge hydrogen peroxide contaminated clothing or other materials in water prior to drying.

RESPIRATORY: For normal use as directed, respiratory protection is not required. If handling concentrate product use approved acid/gas cartridge or canister if discomfort occurs. If breakthrough occurs, then use self contained breathing apparatus.

PROTECTIVE CLOTHING: Heavy rubber or vinyl gloves. Rubber boots, vinyl or rubber protective suit.

OTHER: Eye wash; safety shower.

Section 9: Physical & Chemical Properties

APPEARANCE	Colorless liquid
ODOR	Sharp, pungent vinegar-like
SOLUBILITY	100% in water
PH 10 % SOLUTION	<1.0
PERCENT VOLATILES	99%+
VAPOR PRESSURE	22 mm Hg @ 25°C
SPECIFIC GRAVITY	1.134 = 9.47 LBS./GAL

Section 10: Reactivity or Stability Information

CONDITIONS TO AVOID: Open flames, elevated temperatures, any source of heat, combustibles such as paper, wood or leather. Temperatures above 86 F will degrade product, accelerate decomposition, and reduce shelf life.

STABILITY: Product is shelf-stable for up to 1 year when stored at room temperatures and not in direct sunlight.

HAZARDOUS DECOMPOSITION: Degrades giving off acetic acid and oxygen.

INCOMPATIBLE MATERIALS: Dirt, alkali (lye), organics, leather, paper, wood, and all metals except stainless steel.

Section 11: Toxicological Information

ACUTE HEALTH EFFECTS:

EYES: Corrosive to eyes.

SKIN: Corrosive to skin.

INHALATION: Irritating to respiratory system.

INGESTION: May be harmful if swallowed. Causes burns to mouth, throat and stomach.

MUTAGENIC EFFECTS: No known significant effects.

TERATOGENIC EFFECTS: No known significant effects.

REPRODUCTIVE EFFECTS: No known significant effects.

SENSITIZATION EFFECTS: No known significant effects.

TOXICITY DATA:

Hydrogen peroxide: LD50 Oral, 500 mg/kg (rat)

Acetic Acid: LD50 Oral, 3310 mg/kg (rat)
LD50 Dermal, 1060 ul/kg (rabbit)

Peracetic acid: LD50 Oral, 210 mg/kg (mouse)
LD50 Dermal, >12,000 mg/kg (rat)

Section 12: Ecological Information

FRESH WATER:

Flathead Minnow: Chronic LC50, 1.16 ppm

Ceriodaphnia: Chronic, Reproductivity, LC50, 1.03 ppm

Bluegill Sunfish: Acute, LC50, 1.21 ppm

Daphnia Magna: Acute, LC50, 0.76 ppm

Rainbow Trout: Acute, LC50, 0.68 ppm

MARINE:

Pacific Silverside:	Acute, LC50, 2.2 ppm
Sheepshead Minnow:	Acute, LC50, 3.8 ppm Chronic, 5.9 ppm
Topsmelt:	Acute, LC50, 2.8 ppm
Mysid:	Acute, LC50, 0.7 ppm
Bay Mussel:	Acute, LC50, 2.91 ppm
M.Bahia	Chronic, 0.35 ppm

Section 13 Transport Information

Proper Shipping name: UN3109, Organic Peroxide, Type F, Liquid, 5.2(8), PGII

Primary Hazard Class/Division: 5.2 (Oxidizer-3109)

Hazard Class, Subsidiary: 8 (Corrosive)

UN/NA Number: UN 3109

Packing Group: II

Label(s): 5.2 Oxidizer and Subsidiary Risk - 8 (Corrosive)

Additional Information: Use vented caps on containers. Do not ship on wooden pallets.

Section 14: Ratings

HMIS (Hazardous Materials Identification System)

Health 3, Flammability 1, Reactivity 1, Protection D

NFPA (National Fire Protection Association)

Health 3, Flammability 1, Reactivity 1, Special OX

Section 15: Other Regulatory 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

This MSDS is in accordance with OSHA Hazard Communication Standards.

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