



2151 34TH WAY N. - LARGO, FL 33771

(727) 531-8796 - WWW.FLO-TECINC.COM

SAFETY DATA SHEET

Product Name: Peroxy Punch 15
SDS# 5056

Effective Date: June 1, 2015
Revision 1A

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
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1.1: IDENTIFICATION

Product Name: Peroxy Punch 15

Synonyms: None

Registrations: EPA Registration # 63838-2

1.2 COMPANY IDENTIFICATION

Manufactured For: Flo-Tec Inc.

2151 34th Way N.

Largo FL 33771

(727) 531-8796

1.3 EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Telephone Number:

CHEM-TREC 800-424-9300



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2. COMPOSITION INFORMATION

Component	CAS #	Amount (%w/w)
Peroxyacetic Acid	79-21-0	14-17
Hydrogen Peroxide	7722-84-1	21-23
Acetic Acid	64-19-7	14-20
Water	7732-18-5	Balance

3. HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Appearance	Clear
Physical State	Liquid
Odor	Pungent
Hazards of Product	DANGER! OXIDIZER! Contact with organic materials may cause violent reaction. Causes eye and skin burns.
Routes of Entry	Skin contact, eye contact, inhalation, ingestion.

3.2 POTENTIAL HEALTH EFFECTS

Effects of Single Acute Overexposure

Inhalation	NA
Eye Contact	NA
Skin Contact	NA
Skin Absorption	NA
Swallowing	NA



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Chronic, Prolonged or Repeated Overexposure

3.3 POTENTIAL ENVIRONMENTAL EFFECTS: NA

4. FIRST AID PROCEDURES

4.1 INHALATION: Remove to fresh air. If breathing discomfort occurs and persists, see a medical doctor. If breathing has stopped, give artificial respiration. See medical doctor immediately.

4.2 EYE CONTACT: Immediately flush with water for at least 15 minutes, lifting upper and lower eyelids intermittently. See a medical doctor immediately.

4.3 SKIN CONTACT: Remove contaminated clothing and thoroughly wash with soap and water. If irrigation occurs and persists, contact a physician.

4.4 INGESTION: Remove to fresh air. If breathing discomfort occurs and persists, see a medical doctor. If breathing has stopped, give artificial respiration. See medical doctor immediately.

4.5 NOTES TO PHYSICIAN: This product can be corrosive to skin, eyes, and mucous membranes. Consideration should be given to careful endoscopy as stomach or esophageal burns, perforations or strictures may occur. Careful gastric lavage with an endotracheal tube in place should be considered.



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5. FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES - REFER TO SECTION 9, PHYSICAL AND CHEMICAL PROPERTIES

5.2 EXTINGUISHING MEDIA: Water spray, carbon dioxide, foam.

5.3 FIRE FIGHTING 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.

5.4 SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.

5.5 UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

5.6 HAZARDOUS COMBUSTION PRODUCTS: Oxygen that supports combustion.

5.7 POLYMERIZATION: Will not occur.

5.8 STATIC DISCHARGE: N/A



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6. ACCIDENTAL RELEASE MEASURES

6.1 STEPS TO BE TAKEN IF MATERIAL IS SPILLED: Always approach spills from upwind. Small spills may be flushed to an approved sewer line with generous amounts of water. For larger spills, dike well ahead of spill with non-reactive material such as sand. Spill may be neutralized 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. Combustible materials should be removed and/or rinsed with water to ensure all residual hydrogen peroxide is removed to the extent possible.

6.2 PERSONAL PRECAUTIONS: N/A

6.3 ENVIRONMENTAL PRECUTIONS: Dispose in accordance with state, local and federal laws.



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7. HANDLING AND STORAGE

General Handling	Store drums in upright position only. Empty drums as thoroughly as possible. Triple rinse before disposal. Never return product to original container. Containers should be properly ventilated.
Ventilation	Always handle product in a well ventilated area.
Storage	Do not store near reducing agents, fuels, organic material, or other non-compatible materials. Store in cool, dry, well ventilated area. Avoid temperatures that would allow the liquid bulk temperature to rise above 86° F, as slow decay of the active ingredients will occur. DO NOT STORE IN DIRECT SUNLIGHT, or near sources of ignition or heat. Use first in, first out storage management. Containers must be vented.
Other Precautions	N/A



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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 EXPOSURE LIMITS: N/A

8.2 PERSONAL PROTECTION:

EYES & FACE:

Use cup type chemical goggles or face shield.

SKIN:

Use synthetic apron and protective clothing and other protective equipment as necessary to prevent skin contact. Thoroughly wash the outside of gloves and protective clothing with soap and water before removing.

RESPIRATORY:

For normal use as directed, respiratory protection is not required. If handling concentrate product use approved acid/gas cartridge or canister filter mask 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 to protect skin and clothing contact.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: Colorless.

Odor: Sharp, Pungent, vinegar-like odor.

Flash Point: 200° F (closed cup)

Flammable Limits in Air: N/A

Auto Ignition Temperature: 518° F

Vapor Pressure: 22 mm Hg @ 25° C

Boiling Point (760 mmHg): N/A

Density: 9.47 lbs/gal

Specific Gravity (H2O=1): 1.19

Freezing Point: N/A

Solubility in Water: soluble

pH: <1 (10% solution)

Molecular Weight: N/A

Percent Volatiles: <35%



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10. STABILITY AND REACTIVITY

10.1 STABILITY/INSTABILITY

Stability:

Stable (expected shelf-life one year, when stored at temperatures <86° F.

Conditions to Avoid:

Open flames, elevated temperatures, any source of heat, combustibles such as paper, wood, or leather.

Incompatible Materials:

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

Thermal Decomposition:

Temperatures above 86° F will degrade product, accelerating decomposition.

10.2 HAZARDOUS POLYMERIZATION or DECOMPOSITION:

Degrades giving off acetic acid and oxygen.

11. TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Eyes: Corrosive to eyes.

Skin: Corrosive to skin



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Inhalation: Irritation to respiratory system.

Ingestion:

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

SENSITIZATION (ANIMAL AND HUMAN STUDIES):

No known significant effects.

DEVELOPMENTAL TOXICITY: No known significant effects.

CHRONIC TOXICITY AND CARCINOGENICITY:

No known significant effects.

TOXICOLOGY 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

12. ECOLOGICAL INFORMATION

12.1 ENVIRONMENTAL FATE: N/A

12.2 ECOTOXICITY

FRESHWATER

Fathead Minnow:	Chronic LC50, 1.16 ppm
Ceriodaphnia:	Chronic, Reproductive, 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



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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, 0.7 ppm
Bay Mussel:	Acute, LC50, 2.91 ppm
M.bahia:	Chronic, 0.35 ppm

12.3 FURTHER INFORMATION: N/A

13. DISPOSAL CONSIDERATIONS

13.1 WASTE DISPOSAL:

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with waterways, drains, and sewers. Disposal of this product should comply with the requirements of the local, state, or regional environmental authority.

14. TRANSPORT INFORMATION

14.1 U.S.D.O.T.

NON-BULK

Proper Shipping Name:

Organic Peroxide, Type F, Liquid (peroxyacetic acid);
5.2 (8), UN3109, PGII

BULK

Proper Shipping Name:

Organic Peroxide, Type F, Liquid (peroxyacetic acid);
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15. REGULATORY INFORMATION

RQ= 1 lb (Hydrogen Peroxide)

US FEDERAL REGULATION

This product is considered a pesticide, and is therefore excluded from United States TSCA Regulations.

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

16. OTHER INFORMATION

16.1 ADDITIONAL INFORMATION: N/A

Additional information about this product may be obtained by calling Flo-Tec Inc. at 800-335-6832 or 727-531-8796.

16.2 HAZARDOUS RATING SYSTEM

WHMIS: Class C: Oxidizing material. Class E: Corrosive
This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations*.



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These ratings are part of a specific hazard communication program and should be disregarded where individuals are not trained in the use of this hazard rating system. You should be familiar with the hazard communication programs applicable to your workplace.

16.3 RECOMMENDED USES AND RESTRICTIONS

FOR INDUSTRIAL USE ONLY

A partial list of examples include food safety, agricultural, nursery, water treatment, irrigation, etc.

Disclaimer: Terms and Conditions: This MSDS (SDS) is designed only as guidance for the product which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability of fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is based on a manufacturer's own study and the work of others, and is subject to change at any time without further notice. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor manufacturer (nor agents, directors, officers, contractors or employees of either) are liable to any party for the damages of any nature, including direct, special or consequential damages arising out of or in connection with accuracy, completeness, adequacy or furnishing of any information in the MSDS (SDS), or in any other way related (directly or indirectly) to this MSDS (SDS). The receipt and use of this information constitutes consent to these terms and conditions.