
1. IDENTIFICATION**Product Name:** HALYARD* PYTEST* Scintillation Fluid**Product Number:** 60439, 60455

Date Prepared:	5/21/15
Manufacturer:	Halyard Health Inc. 5405 Windward Parkway Alpharetta, Georgia 30004
Telephone: MEDICAL EMERGENCY: TRANSPORTATION EMERGENCY: INFORMATION:	Call 911 or your local Emergency Room or Poison Control Services Chemtrec 1-800-424-9300 or 1-703-527-3887 (collect calls accepted) 1-844-HALYARD

Product Use: Medical diagnostic accessory**2. HAZARDS IDENTIFICATION****GHS Classification:**

Eye Damage Category 1

GHS Labeling:

Danger!

Hazard Statements

H318 Causes serious eye damage.

Precautionary Statements

P280 Wear eye protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No./ EINECS-No	%	GHS Classification:
Monoalkylates	68648-87-3 / 27-008-4	60-70%	Not Hazardous
Non-Ionic Surfactant	9016-45-9 / 500-024-6	25-40%	Acute Tox 4 H302 Eye Dam 1 H318 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
Scintillation Fluors (Diphenyloxazole)	92-71-7 / 202-818-3	<0.05%	Not Hazardous

4. FIRST AID MEASURES

Inhalation: Move to fresh air. Seek medical advice if cough, shortness of breath or other respiratory problems occur.

Skin contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Obtain medical attention if irritation persists.

Eye contact: Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye for 20 minutes. Get immediate medical attention.

Ingestion: If victim is conscious, rinse mouth with a small amount of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre.

Most Important symptoms and effects, both acute and delayed: Causes severe eye irritation or burns. Permanent damage may occur. Inhalation of vapors or mists may cause mucous membrane and respiratory irritation. Ingestion may cause gastrointestinal irritation and other adverse effects.

Indication of any immediate medical attention and special treatment needed: If eye contact occurs, get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media: Use dry chemical, carbon dioxide, alcohol-resistant foam or water fog.

Specific Hazards Arising from the Chemical: Product will burn under fire conditions.

Hazardous Combustion Products: Carbon and nitrogen oxides.

Special Protective Equipment and Precautions for Fire-fighters: Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures:

Wear appropriate protective clothing and equipment. Remove all sources of ignition. Ventilate the area.

Environmental Precautions: Report releases as required by local and federal regulations.

Methods and Materials for Containment and Cleaning Up: Contain and collect with inert absorbent material and place in a suitable container for disposal. Comply with all federal, state and local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Prevent contact with eyes. Avoid contact with skin and clothing. Wash thoroughly with soap and water after handling. **DO NOT MOUTH PIPETTE.**

Conditions for Safe Storage, including any Incompatibilities: Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)

Chemical Name	Exposure limit(s)
Monoalkylates	None established
Non-Ionic Surfactant	None established
Scintillation Fluors (Diphenyloxazole)	None established

Appropriate Engineering Controls: No special ventilation normally required.

Individual Protection Measures, such as Personal Protective Equipment:

Respiratory Protection: No personal respiratory protective equipment normally required.

Protective Gloves: Wear chemical resistant gloves to avoid skin contact.

Eye Protection: Wear chemical safety goggles to prevent eye contact.

Other Protective Clothing or Equipment: Wear lab coat or other protective clothing as required to avoid skin contact and contamination of personal clothing. An eye wash facility should be available in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	Bluish liquid with a mild odor.
Odor Threshold:	Not available

Boiling point/range	532.4-582.8°F (278-306°C)
Melting point/range	Not available
Relative Density (water=1)	0.83
Vapor pressure	<0.5 mmHg @ 20°C
Vapor density (air=1)	>1
Solubility	Completely soluble in water
pH	Not available
Partition coefficient (n-octanol/water):	Not available
Evaporation Rate (Butyl acetate=1)	Not available
Viscosity:	Not available
Volatile Organic Carbon Compounds (VOC) (g/L)	Not available
Flashpoint:	>300°F (149°C)
Flammable Limits in Air % by Volume:	LEL (Lower): Not available UEL (Upper): Not available
Autoignition temperature:	Not available
Decomposition temperature:	Not available
Flammability (solid, gas):	Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not reactive.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Excessive heating.

Incompatible Materials: Strong acids and oxidizing agents.

Hazardous Decomposition Products: Carbon and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Symptoms/Effects of Overexposure:

Inhalation: Inhalation of vapors or mists may cause mucous membrane and respiratory irritation.

Skin contact: Irritating to skin.

Eye contact: May cause severe eye irritation or burns. May cause permanent damage.

Ingestion: May cause mucous membrane and gastrointestinal irritation and other adverse effects.

Chronic toxicity: None currently known.

Carcinogenicity Data: None of the components of this product are listed as a carcinogen by IARC, NTP, US OSHA or the EU CLP Annex VI.

Reproductive Toxicity: No adverse effects on reproduction are known.

Numerical Measures of Toxicity:

Acute Toxicity Estimate: Oral 3,333 mg/kg

Monoalkylates: Oral rat LD50 >5000 mg/kg, Dermal rabbit LD50 >2000 mg/kg

Non-Ionic Surfactant: Oral rat LD50 1310 mg/kg, Dermal rabbit LD50 2 mL/kg

Scintillation Fluors (Diphenyloxazole): No toxicity data available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Monoalkylates: 48 hr EC50 daphnia magna 00.8 mg/L

Non-Ionic Surfactant: 96 hr LC50 lepomis macrochirus 1 mg/L

Scintillation Fluors (Diphenyloxazole): No toxicity data available

Persistence and Degradability: Monoalkylates and ion-ionic surfactant: are readily biodegradable.

Bioaccumulative Potential: Not expected to bioaccumulate in aquatic organisms.

Mobility in Soil: No data available

Other Adverse Effects: No data available.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all state, local and federal regulations.

14. TRANSPORT INFORMATION

US DOT Shipping Description: Not regulated

IATA Shipping Description (Air): UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (Ethoxylated Nonylphenol), 9, PG III

IMDG Shipping Description (Vessel): UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (Ethoxylated Nonylphenol), 9, PG III

15. REGULATORY INFORMATION

US Regulations

EPA Toxic Substances Control Act (TSCA): All of the components of this product are listed on the TSCA Inventory or exempted from TSCA.

SARA 302 Listed Chemicals: None.

SARA 311/312 Hazard Categories: Acute Health

SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372): None

California Proposition 65: This product contains the following chemical known to the State of California to cause cancer and reproductive toxicity: None

International Regulations

Canadian CEPA: All of the components are either listed on or exempted from the Domestic Substances List (DSL).

16. OTHER INFORMATION

Date Prepared: 5/21/15

GHS Classification Hazard Statements seen in Section 3 for Reference:

Acute Tox 4 = Acute Toxicity Category 4

Eye Dam 1 = Eye Damage Category 1

Aquatic Acute 1 = Aquatic Acute Category 1

Aquatic Chronic 1 = Aquatic Chronic Category 1

H302 Harmful if swallowed.

H318 Causes serious eye irritation

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

HMIS Rating: Health 3 Fire 0 Physical Hazard 0

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