

Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. Product identifiers

Product Name: **Envirene™, Xylene Substitute**

Other Common Names: Naptha (petroleum), hydrotreated heavy

Catalog Number: CE128

1.2. Recommended use

Safe alternative to xylene for use in tissue processing and staining procedures where xylene or carbol xylene is required.

1.3. Details of the supplier of this Safety Data Sheet

Company: Hardy Diagnostics
 1430 West McCoy Lane
 Santa Maria, CA 93455

Telephone: (805) 346-2766
 (800) 266-2222

Emergency Phone: (800) 424-9300 ChemTrec (24hr service)

2. Hazards Identification

2.1. Classification of substance or mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquid (Category 3), H226


Germ Cell Mutagenicity (Category 1B), H340

Carcinogenicity (Category 1B), H350

Specific Target Organ Toxicity, Single Exposure (Category 3), H336

Aspiration Toxicity (Category 1), H304

2.2. GHS Label elements, including precautionary statements

Pictogram:	
Signal Word:	Danger
Hazard Statements:	
H304*	May be fatal if swallowed and enters airways
H226*	Flammable liquid and vapor
H336*	May cause drowsiness or dizziness
H340*	May cause genetic defects
H350*	May cause cancer
Precautionary Statements:	
P203	Obtain, read and follow all safety instruction before use.
P210	Keep away from heat, hot surfaces, sparks, open flames, No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P316	IF SWALLOWED: Get emergency medical help immediately
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P318	IF exposed or concerned: Get medical advice
P319	Get medical help if you feel unwell.
P331	Do NOT induce vomiting
P370+P378	In case of fire, use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403+P233+P235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405	Store locked up.
P501	Dispose of contents or container at an approved waste disposal facility

2.3. **Hazards not otherwise classified or not covered by GHS**

No data available.

3. Composition/Information on Ingredients

3.1. **Mixtures**

Hazardous components:

Substance:	Concentration:	Hazard Information:
Naptha (petroleum), hydrotreated heavy (CAS# 64742-48-9)	100%	Germ Cell Mutagenicity, Cat. 1B, Carcinogenicity Cat. 1B, Flammable Liquid, Cat. 3, Specific Target Organ Toxicity, Single Exposure, Cat. 3, Aspiration Toxicity, Cat. 1.

4. First Aid Measures

4.1. **Description of first aid measures**

Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration and immediately seek medical attention.
Ingestion:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a physician of Poison Control Center immediately.
Skin Contact:	Immediately wash thoroughly with soap and water. If irritation persists, consult a physician. Avoid touching contaminated clothing.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. If irritation persists, consult a physician.

4.2. **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3. **Indication of any immediate medical attention and special treatment needed**

No data available.

5. Firefighting Measures

5.1. Extinguishing media

Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

5.2. Special hazards arising from the substance or mixture

Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Combustion may produce carbon monoxide, carbon dioxide, and hydrocarbons.

5.3. Advice for firefighters

In the event of a fire, wear protective clothing and NIOSH-approved breathing apparatus necessary to prevent any possible irritation.

5.4. Further information

No data available.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment: chemical resistant gloves. Keep unprotected persons away.

6.2. Environmental precautions

Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Ventilate area of leak or spill. Remove all sources of ignition. Contain and recover liquid when possible. Use non-sparking tools and equipment.

6.4. Reference to other sections

For disposal, see section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Keep locked up. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, acids, alkalis.

Wear appropriate personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store in a segregated and approved area (flammables area). Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Keep away from direct sunlight and heat and avoid all possible sources of ignition (spark or flame). Use only under a chemical fume hood. Use explosion-proof equipment.

7.3 Specific end uses

Apart from uses mentioned in section 1.2, not other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1. Control parameters

No data available.

8.2. Appropriate engineering controls

Safety shower and eye bath. Use only under a chemical fume hood. Use explosion-proof equipment.

8.3. Personal protective equipment

Eye/Face:	Safety goggles
Skin:	Chemical resistant gloves. Wash thoroughly after handling.
Respiratory:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced
Thermal Hazards:	No data available

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Physical State: Liquid Color: Clear and colorless
Odor:	Hydrocarbon-like
Odor Threshold:	No information available
pH:	Not Determined
Melting/Freezing Point:	Not Determined
Boiling Point:	169-177°C/336.2-350.6°F
Flash Point:	40°C/104°F
Evaporation Rate:	Not Determined
Flammability:	Not Determined
Explosion Limits:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	Not Determined
Relative Density:	Not Determined
Water Solubility:	Soluble
Partition coefficient (n-octanol/water):	Not Determined
Auto-ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Viscosity:	Not Determined
Explosive Properties:	Not Determined
Oxidizing Properties:	Not Determined

9.2. Other safety information

No data available.

10. Stability and Reactivity

Reactivity	No data available.
Chemical stability	This product is stable under ordinary conditions of use and storage.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Heat, flames, incompatible materials.
Incompatible materials	Ignition sources, strong oxidizing agents, strong acids.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, hydrocarbons

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity	LD50 Oral: 5000mg/kg (rat) LD50 Dermal: 3160mg/kg (rabbit) LC50 Inhalation: Not listed
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	Causes eye irritation
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity – single exposure	Central Nervous System (CNS)
Specific target organ toxicity – repeated exposure	No data available
Aspiration Hazard	No data available
Additional information	No data available

12. Ecological Information

Toxicity	Freshwater Algae: Not listed Freshwater fish: 2200mg/L LC50 96h Microtox: Not listed Water flea: 2.6mg/L LC50 96h
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	No data available

13. Disposal Considerations

13.1. Waste disposal

Dispose of in accordance with applicable state and federal regulations.

Disposal must be in accordance with regulations 40 CFR 261.

14. Transport Information

DOT hazard class	3
Shipping name	PETROLEUM PRODUCTS, N.O.S.
Identification number	UN1268
Packing group	III

15. Regulations

Carcinogenicity	Yes/No
NTP:	No
IARC:	No
OSHA:	No
California Prop 65:	No

16. Other Information

The above information, to the best of our knowledge, is accurate. Hardy Diagnostics assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

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