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Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Name DIHYDROTESTOSTERONE

[1,2,4,5,6,7-3H(N)]-(5alpha-ANDROSTAN-17beta-OL-3-

Version # 01

Item # NET453000MC

Manufacturer Information PerkinElmer Life Sciences

549 Albany Street Boston, MA 02118

CHEMTREC 800-424-9300

Technical Support 800-446-0035

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredient(s)	CAS#	Percent	PEL	TLV
ETHANOL	64-17-5	90 - 100	1000 ppm	1000
Non-hazardous ingredient(s)	CAS#	Percent	_	

3. HAZARDS IDENTIFICATION

Emergency Overview

Highly flammable. Irritating to respiratory system and skin.

NFPA RATINGS

Health 0 Flammability 3 Reactivity 0

4. FIRST AID MEASURES

First Aid

Skin contact

Wash off immediately with soap and plenty of water.

Eye contact

Rinse immediately with plenty of water for at least 15 minutes.

Inhalation

Move to fresh air.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to a unconscious person.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

use dry chemical, CO2, water spray or "alcohol" foam

Special protective equipment for firefighters

In the event of fire, wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

Environmental precautions

No special environmental precautions required.

Methods for cleaning up

Soak up with inert absorbent material. Clean contaminated surface thoroughly. Keep in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapours/dust. Keep away from heat and sources of ignition. Avoid contact with skin and eyes.

Storage

Keep container tightly closed. Store in cool place. No special restrictions on storage with other products.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls

Engineering measures to reduce exposure

Provide adequate ventilation.

OSHA - Final PELs - Time Weighted Averages (TWAs)

ETHANOL

64-17-5

1000 ppm TWA; 1900 mg/m3 TWA

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food and drink. Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of workday.

Respiratory protection

No personal respiratory protective equipment normally required.

Hand protection

solvent-resistant gloves

Eye protection

safety glasses with side-shields

Skin and body protection

lab coat

9. PHYSICAL & CHEMICAL PROPERTIES

General Information

Form

liquid

Color

colorless

Odor

not significant

Important health, safety and environmental information

Flash Point 13 °C (55.4 °F) **Auto Ignition** 363 °C (685.4 °F)

Flammability Limits in Air, 3.3 %

Lower, % by Volume

Flammability Limits in Air, 19 %

Upper, % by Volume

Flammability Class Flammable IB

Physical Properties

Boiling Point 78 °C (172.4 °F)

pH n/a Specific Gravity 0.79

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability

Stable

Hazardous decomposition products

carbon oxides

Conditions to avoid

Heat, flames and sparks.

Incompatibility

oxidizing agents; alkaline metals; ammonia

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Skin irritation, Eye irritation, irritation of mucous membranes May be harmful by inhalation, ingestion, skin adsorption.

NIOSH - Selected LD50s and LC50s

ETHANOL 64-17-5 Inhalation LC50 Rat: 20000 ppm/10H; Inhalation

LC50 Mouse: 39 gm/m3/4H; Oral LD50 Rat: 7060 mg/kg; Oral LD50 Mouse: 3450 mg/kg

ETHANOL ACGIH Not Classified Carcinogen

Symptoms and Target Organs

NIOSH - Pocket Guide - Target Organs

ETHANOL 64-17-5 respiratory system, skin, eyes, CNS, liver, blood,

reproductive system

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not available

13. DISPOSAL CONSIDERATIONS

Disposal Instructions

In accordance with local and national regulations.

Waste from residues / unused products

Dispose of in accordance with local regulations

14. TRANSPORTATION INFORMATION

15. REGULATORY INFORMATION

SARA TITLE III RATINGS

Immediate Hazard, Delayed Hazard, Fire Hazard

State Regulations

California - Prop. 65 - Developmental Toxicity

ETHANOL 64-17-5 developmental toxicity (when in alcoholic

beverages); initial date 10/1/87

Florida - Substance List

ETHANOL 64-17-5 [present]

Massachusetts - Right To Know List

ETHANOL 64-17-5 teratogen

New Jersey - Department of Health RTK List

ETHANOL 64-17-5 sn 0844

Pennsylvania - Right to Know List

ETHANOL 64-17-5 [present]

Rhode Island - Hazardous Substance List

ETHANOL 64-17-5 Toxic, Flammable

Risk Codes

R11

16. OTHER INFORMATION

Risks

Highly flammable.

Recommended use

For research use only.

Disclaimer

The information provided in this Material Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer Life Sciences shall not be held liable for any damage resulting from handling or from contact with the product.