

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Name GLYCEROL, [14C(U)]-
Version # 01
Item # NEC441X000MC
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	40 - 60	1000 ppm	1000
Non-hazardous ingredient(s)	CAS #	Percent		
WATER	7732-18-5	40 - 60		
GLYCEROL	56-81-5	0.01 - 0.1		

3. HAZARDS IDENTIFICATION

Emergency Overview

Flammable.
Irritating to respiratory system and skin.

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

Flash Point
Flammability Class

24 - 26 °C (75.2 - 78.8 °F)
Flammable IC

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/m ³ /4H; Oral LD50 Rat: 7060 mg/kg; Oral LD50 Mouse: 3450 mg/kg
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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
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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
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Florida - Substance List

ETHANOL	64-17-5	[present]
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Massachusetts - Right To Know List

ETHANOL	64-17-5	teratogen
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New Jersey - Department of Health RTK List

ETHANOL	64-17-5	sn 0844
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Pennsylvania - Right to Know List

ETHANOL	64-17-5	[present]
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Rhode Island - Hazardous Substance List

ETHANOL	64-17-5	Toxic, Flammable
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Risk Codes

R10

16. OTHER INFORMATION

Risks

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 and Analytical Sciences shall not be held liable for any damage resulting from handling or from contact with the product.