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SPECIFICATION SHEET
STERILE REAGENT ETHANOL 140 PROOF
Reagent Alcohol 70%, Gamma Irradiated
(Specially Denatured Alcohol SDA-3A with Isopropyl Alcohol)

Catalog # / Product Code: 241GAM140

Product Formula:	Percent By Volume: (+/- 1%)	
Sterile Denatured Ethanol	70.0%	
Water (USP)	30.0%	

Components:	Percent By Volume: (+/- 1%)	CAS #:
Ethanol	63.3%	64-17-5
Methanol	3.2%	67-56-1
Isopropanol	3.5%	67-63-0
Water	30.0%	7732-18-5

Product Specifications:

TEST	SPECIFICATION	TYPICAL
Specific Gravity @ 20°C	0.880 - 0.890	0.887
Appearance	Clear liquid, free from sediment	Pass
Color (Pt-Co)	10 max.	< 10
Acidity (wt/wt% as acetic acid)	0.0025%	0.001%
0.22 micron Filtered	Per Lot	Per Lot

Form: Reagent Alcohol, 140, Sterile, #101, Revision 1.2, 07/08/04, PJM

DOT Information: Alcohol, n.o.s. Hazard Class: 3 PG: II UN 1987 (CAS#'s above)

Approved by: P. McGowan, Laboratory Manager

For Industrial, Pharmaceutical, Flavor & Fragrance or Lab Use. Not intended as an active substance in Food or Drug. Not to be considered a Medical Device. Not intended for use as a Disinfectant as defined by the EPA. The expiration date of this product is three years from the date of manufacture. (Rev. # disclaimer only: Rev 3.2 12/19/02 PD)


This document has been electronically generated and is therefore not signed. A signed copy can be obtained from Pharmco's Quality Control office.

58 Vale Road, Brookfield, CT 06804, USA
Telephone: (203) 740-3471 Fax (203) 740-3481
E-Mail: paul@pharmco-prod.com

DOT INFORMATION
 Alcohol, n.o.s.
 Hazard Class: 3
 UN 1987
 PG: II
 ETHANOL CAS NO. 64-17-5
 WATER CAS NO. 7732-18-5
 ISOPROPANOL CAS NO. 67-63-0
 METHANOL CAS NO. 67-56-1
DSP-CT-18

LOT NO. _____
 EXPIRATION DATE: _____

pharmco
 PRODUCTS INC.
 58 Vale Rd., Brookfield, Ct 06804-3887
 Fax (203) 740-3471 Ph (203) 740-3481



STERILE REAGENT ETHANOL 70%
Reagent Alcohol 140 Proof
Gamma Irradiated

Reagent Alcohol 70%, Gamma Irradiated
 (Specially Denatured Alcohol SDA-3A with Isopropyl Alcohol)

Catalog No: 241GAM140 **12 X 1 Pint**

Specification	Limits	Typical Results
Specific Gravity @ 20 C	0.880-0.890	0.881
Appearance	Clear Liquid, Free from Sediment	Pass
Color (Pt-Co)	10 max.	<10
Acidity (wt/wt% as acetic acid)	0.0025%	<0.001%
0.22 Micron Filtered	Per Lot	Per Lot

Product Formula:	Percent by Volume: (+/- 1%)	
Sterile Denatured Ethanol	70.0%	
Water (USP)	30.0%	

Components	Percent by Volume: (+/- 1%)	CAS #
Ethanol	63.3%	64-17-5
Methanol	3.2%	67-56-1
IPA	3.5%	67-63-0
Water	30.0%	7732-18-5

DANGER: FLAMMABLE LIQUID & VAPOR. Keep away from all sources of ignition. Inproper Exposure Can Result in Injury or Death! Wear all recommended protective equipment. Refer to MSDS for additional information.

DANGER: THIS PRODUCT CONTAINS METHYL ALCOHOL (Methanol) WHICH CAN CAUSE BLINDNESS AND DEATH! Cannot be made non-poisonous. Refer to MSDS for additional information.

STORAGE AND HANDLING: Keep in a cool, dry place. Do not expose to direct sunlight. Use only with proper personal protective equipment and ventilation. Refer to MSDS for additional information.

FIRST AID: SEEK IMMEDIATE MEDICAL ATTENTION. REFER TO MSDS FOR APPROPRIATE FIRST AID FOR THIS CHEMICAL.

REFER TO MSDS PRIOR TO USE. Use Only Under Appropriate Conditions. Use Only Under Trained Supervision.

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