



THE POWER OF THREE<sup>3</sup>

**PHARMCO-AAPER**

AND COMMERCIAL ALCOHOLS

**PRODUCT SPECIFICATION SHEET**  
Specially Denatured Alcohol 38B-61 / 190 Proof  
(Ethanol denatured with Rosemary Oil)

Catalog Number / Product Code: 12338B61190 – Size Code\*

Available in the following sizes:

**\*Refer to Master Price List – Individual package sizes have unique size codes**

TEST	SPECIFICATION	TYPICAL RESULT
Ethanol, 190 Proof	98.55% (w/w)	Pass
Customer Supplied Denaturant	1.45% (w/w)	Pass
Specific Gravity	0.8147 – 0.8171 @ 15.56C	0.8167
Specific Gravity	Lot analysis @ 20C	0.8136
Odor	Typical	Pass
Appearance	Free of sediments	Pass

Form: SDA 38B-61, 190, #101, Rev. 1.0, 07/08, SJK

**DENATURANTS FORMULA**

DENATURANT	AMOUNT
Denaturants*	10.0 lb/100 gallons

**\*10 lbs of any one or a total of 10 lbs. of two or more of the oils and substances listed below:**  
Anethole NF, Anise oil NF, Bay oil (Myrcia Oil) NF, Benzaldehyde NF, Bergamot Oil NF, Bitter Almond Oil NF, Camphor USP, Cedar Leaf Oil USP, Chlorothymol NF, Cinnamic Aldehyde NF, Cinnamon Oil NF, Citronella Oil Natural, Clove Oil NF, Coal Tar USP, Eucalyptol NF, Eucalyptus Oil NF, Eugenol USP, Gualacol NF, Lavender Oil NF, Menthol USP, Methyl Salicylate NF, Mustard Oil Volatile (Allyl Isothiocyanates) USP, Peppermint Oil NF, Phenol USP, Phenyl Salicylate (Salol) NF, Pine Oil NF, Pine Needle Oil Dwarf NF, Rosemary Oil NF, Safrole, Sassafras Oil NF, Spearmint Oil NF, Spearmint Oil Terpeneless, Spike Lavender Oil Natural, Storax USP, Thyme Oil NF, Thymol NF, Tolu Balsam USP, Turpentine Oil NF.

**Disclaimer:** For Industrial, Pharmaceutical, Flavor & Fragrance or Lab Use. Not intended for use 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 appropriate use of this product is the sole responsibility of the user. (Rev. # disclaimer only, rev 3.3 10/05/05 PD)

DOT INFORMATION  
 Alcohol, n.o.s.  
 Hazard Class: 3  
 UN 1987 PG II  
 Ethanol CAS No. 64-17-5  
 Rosemary Oil CAS No. 800-25-7



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**PHARMCO-AAPER**  
 AND COMMERCIAL ALCOHOLS

**SDA 38B-61, 190 Proof**  
**Ethanol Denatured with Rosemary Oil**

Main Catalog No: 12338B61190

55 Gallon (374.0 Lb Net.)

To every 100 gallons of Grain Ethanol, add 10 pounds of Rosemary Oil

TEST	SPECIFICATION	TYPICAL RESULT
Ethanol, 190 Proof	98.55% (w/w)	Pass
Denaturant	1.45% (w/w)	Pass
Specific Gravity	0.8147 - 0.8171 @ 15.56C	0.8167
Specific Gravity	Lot analysis @ 20C	0.8136
Odor	Typical	Pass
Appearance	Free of sediments	Pass

**Denaturants Formula:**

Denaturant	Amount
Rosemary Oil	10.0 lb/100 gallons

LOT NO: XXXXXXXXXXXXX  
 BATCH NO: XXXXXXXXXXX  
 SERIAL NO: XXXXXXXXXXX

WINE GALLON: 55.0  
 PROOF: 190

Fill Date:  
 Recommended Retest Date:

FOR INDUSTRY/PHARMA/LAB USE ONLY. Not intended as an active substance in Food or Drug. Not to be considered a Med. Device. Not intended for use as a Disinfectant as defined by the EPA.\*

DANGER: FLAMMABLE LIQUID & VAPOR. Keep away from all sources of ignition. Improper Exposure Can Result in Injury or Death! Wear all recommended protective equipment. 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.\*

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



12338B61190



**SHIP TO:**  
 XXXXXXXXXXXXX  
 XXXXXXXXXXXXX  
 XXXXXXXXXXXXX  
 XXXXXXXXXXXXX  
 XXXXXXXXXXXXX



**pharmco**  
 PRODUCTS INC.  
 ABSOLUTE PURITY

**AAPER**  
 ABSOLUTE VALUE

An ISO9001:2000  
 Certified Company

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