

**Alcohol and Tobacco Tax and Trade Bureau, Treasury**

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- 051. Polishes.
- 052. Inks (including meat branding inks).
- 053. Stains (wood, etc.).
- 141. Shampoos.
- 142. Soaps and bath preparations.
- 311. Cellulose compounds (dehydration).
- 312. Sodium hydrosulfite (dehydration).
- 315. Other dehydration products.
- 320. Petroleum products.
- 331. Processing pectin.
- 332. Processing other food products.
- 341. Processing crude drugs.
- 342. Processing glandular products, vitamins, hormones, and yeasts.
- 343. Processing antibiotics and vaccines.
- 344. Processing medicinal chemicals (including alkaloids).
- 345. Processing blood and blood products.
- 349. Miscellaneous drug processing (including manufacture of pills).
- 351. Processing dyes and intermediates.
- 352. Processing perfume materials and fixatives.
- 353. Processing photographic chemicals.
- 354. Processing rosin.
- 355. Processing rubber (latex).
- 358. Processing other chemicals.
- 359. Processing miscellaneous products.
- 410. Disinfectants, insecticides, fungicides, and other biocides.
- 420. Embalming fluids and related products.
- 430. Sterilizing and preserving solutions.
- 440. Industrial detergents and soaps.
- 450. Cleaning solutions (including household detergents).
- 470. Theater sprays, incense, and room deodorants.
- 481. Photoengraving and rotogravure dyes and solutions.
- 482. Other dye solutions.
- 485. Miscellaneous solutions (including duplicating fluids).
- (2) As a raw material:
  - 530. Ethylamines.
  - 540. Dyes and intermediates.
  - 575. Drugs and medicinal chemicals.
  - 576. Organo-silicone products.
  - 579. Other chemicals.
  - 590. Synthetic resins.
- (3) As a fuel:
  - 611. Automobile and supplementary fuels.
  - 612. Airplane and supplementary fuels.
  - 613. Rocket and jet fuels.
  - 620. Proprietary heating fuels.
  - 630. Other fuel uses.
- (4) As a fluid:
  - 710. Scientific instruments.
  - 720. Brake fluids.
  - 730. Cutting oils.
  - 740. Refrigerating uses.
  - 750. Other fluid uses.
- (5) Miscellaneous uses:

- 810. General laboratory and experimental use (own use only).
- 811. Laboratory reagents for sale.
- 812. Product development and pilot plant uses (own use only).
- 900. Specialized uses (unclassified).

(c) *Conditions governing use.* This formula shall not be used in manufacturing Reagent alcohol general-use formula under § 20.117 of this chapter.

[T.D. ATF-133, 48 FR 24673, June 2, 1983, as amended by T.D. ATF-199, 50 FR 9183, Mar. 6, 1985]

**§ 21.38 Formula No. 4.**

(a) *Formula.* To every 100 gallons of alcohol, or to every 100 gallons of rum of not less than 150 proof, add:

One gallon of the following solution: Five gallons of an aqueous solution containing 40 percent nicotine; 3.6 avoirdupois ounces of methylene blue, U.S.P.; and water sufficient to make 100 gallons.

(b) *Authorized uses.* (1) As a solvent:

- 460. Tobacco sprays and flavors.

(2) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

**§ 21.39 Formula No. 6-B.**

(a) *Formula.* To every 100 gallons of alcohol add:

One-half gallon of pyridine bases.

(b) *Authorized uses.* (1) As a raw material:

- 523. Miscellaneous ethyl esters.
- 574. Fulminate of mercury and other detonators.
- 575. Drugs and medicinal chemicals.
- 579. Other chemicals.

(2) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

**§ 21.40 Formula No. 12-A.**

(a) *Formula.* To every 100 gallons of alcohol add:

Five gallons of benzene, or 5 gallons of toluene.

(b) *Authorized uses.* (1) as a solvent:

- 021. Cellulose plastics.
- 022. Non-cellulose plastics, including resins.
- 036. Adhesives and binders.
- 342. Processing glandular products, vitamins, hormones, and yeasts.

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- 343. Processing antibiotics and vaccines.
- 344. Processing medicinal chemicals (including alkaloids).
- 345. Processing blood and blood products.
- 351. Processing dyes and intermediates.
- 352. Processing perfume materials and fixatives.
- 354. Processing rosin.
- 358. Processing other chemicals.
- 359. Processing miscellaneous products.
- 430. Sterilizing and preserving solutions.

(2) As a raw material:

- 523. Miscellaneous ethyl esters.
- 530. Ethylamines.
- 540. Dyes and intermediates.
- 575. Drugs and medicinal chemicals.
- 579. Other chemicals.

(3) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

**§ 21.41 Formula No. 13-A.**

(a) *Formula.* To every 100 gallons of alcohol add:

Ten gallons of ethyl ether.

(b) *Authorized uses.* (1) As a solvent:

- 015. Candy glazes.
- 021. Cellulose plastics.
- 022. Non-cellulose plastics, including resins.
- 031. Photographic film and emulsions.
- 032. Transparent sheeting.
- 034. Cellulose intermediates and industrial collodions.
- 052. Inks (not including meat branding inks).
- 241. Collodion, U.S.P.
- 331. Processing pectin.
- 332. Processing other food products.
- 342. Processing glandular products, vitamins, hormones, and yeasts.
- 343. Processing antibiotics and vaccines.
- 344. Processing medicinal chemicals (including alkaloids).
- 345. Processing blood and blood products.
- 349. Miscellaneous drug processing (including manufacture of pills).
- 352. Processing perfume materials and fixatives.
- 353. Processing photographic chemicals.
- 358. Processing other chemicals.
- 359. Processing miscellaneous products.
- 430. Sterilizing and preserving solutions.
- 481. Photoengraving and rotogravure solutions and dyes.

(2) As a raw material:

- 523. Miscellaneous ethyl esters.
- 561. Ethyl ether.
- 562. Other ethers.
- 575. Drugs and medicinal chemicals.
- 579. Other chemicals.

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(3) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

**§ 21.42 Formula No. 17.**

(a) *Formula.* To every 100 gallons of alcohol add:

Five-hundredths (0.05) gallon (6.4 fluid ounces) of bone oil (Dipple's oil).

(b) *Authorized uses.* (1) As a solvent:

- 344. Processing medicinal chemicals (including alkaloids).
- 358. Processing other chemicals.
- 359. Processing miscellaneous products.

(2) As a raw material:

- 575. Drugs and medicinal chemicals.
- 579. Other chemicals.

(3) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

**§ 21.43 Formula No. 18.**

(a) *Formula.* To every 100 gallons of alcohol of not less than 160 proof add:

One hundred gallons of vinegar of not less than 90-grain strength or 150 gallons of vinegar of not less than 60-grain strength.

(b) *Authorized uses.* (1) As a raw material:

- 511. Vinegar.

(2) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

**§ 21.44 Formula No. 19.**

(a) *Formula.* To every 100 gallons of alcohol add:

One hundred gallons of ethyl ether.

(b) *Authorized uses.* (1) As a solvent:

- 031. Photographic film and emulsions.
- 034. Cellulose intermediates and industrial collodions.
- 241. Collodion, U.S.P.

(2) Miscellaneous uses:

- 812. Product development and pilot plant uses (own use only).

**§ 21.45 Formula No. 20.**

(a) *Formula.* To every 100 gallons of alcohol add:

Five gallons of chloroform.