

§ 21.37

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(2) Miscellaneous uses:

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

§ 21.37 Formula No. 3-C.

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

Five gallons of isopropyl alcohol.

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

011. Cellulose coatings.
012. Synthetic resin coatings.
016. Other coatings.
021. Cellulose plastics.
022. Non-cellulose plastics, including resins.
031. Photographic film and emulsions.
032. Transparent sheeting.
033. Explosives.
034. Cellulose intermediates and industrial collodions.
035. Soldering flux.
036. Adhesives and binders.
043. Solvents, special (restricted sale).
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:

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- 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.
- 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.

(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).