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- 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).
 - 481. Photoengraving and rotogravure dyes and solutions.
 - 482. Other dye solutions.
 - 485. Miscellaneous solutions (including duplicating fluids).
- (2) As a raw material:
- 521. Ethyl acetate.
 - 522. Ethyl chloride.
 - 523. Other ethyl esters.
 - 530. Ethylamines.
 - 540. Dyes and intermediates.
 - 551. Acetaldehyde.
 - 552. Other aldehydes.
 - 561. Ethyl ether.
 - 562. Other ethers.
 - 571. Ethylene dibromide.
 - 572. Ethylene gas.
 - 573. Xanthates.
 - 574. Fulminate of mercury and other detonators.
 - 575. Drugs and medicinal chemicals.
 - 579. Other chemicals.

(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 oil.
- 740. Refrigerating uses.
- 750. Other fluid uses.
- 760. Proprietary anti-freeze.

(5) Miscellaneous uses:

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

[T.D. ATF-133, 48 FR 24673, June 2, 1983, as amended by T.D. ATF-199, 50 FR 9183, Mar. 6, 1985; T.D. ATF-442, 66 FR 12854, Mar. 1, 2001]

§ 21.33 Formula No. 2-B.

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

One-half gallon of benzene, ½ gallon of rubber hydrocarbon solvent, ½ gallon of toluene, or ½ gallon of heptane.

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

- 021. Cellulose plastics.
- 022. Non-cellulose plastics, including resins.

- 031. Photographic film and emulsions.
- 032. Transparent sheeting.
- 033. Explosives.
- 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).
- 349. Miscellaneous drug processing (including manufacture of pills).
- 351. Processing dyes and intermediates.
- 352. Processing perfume materials and fixatives.
- 353. Processing photographic chemicals.
- 358. Processing other chemicals.
- 359. Processing miscellaneous products.

(2) As a raw material:

- 521. Ethyl acetate.
- 522. Ethyl chloride.
- 523. Other ethyl esters.
- 524. Sodium ethylate, anhydrous.
- 530. Ethylamines.
- 540. Dyes and intermediates.
- 551. Acetaldehyde.
- 552. Other aldehydes.
- 561. Ethyl ether.
- 562. Other ethers.
- 571. Ethylene dibromide.
- 572. Ethylene gas.
- 573. Xanthates.
- 575. Drugs and medicinal chemicals.
- 576. Organo-silicone products.
- 579. Other chemicals.

(3) Miscellaneous uses:

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

(c) *Conditions governing use.* This formula shall be used in a closed and continuous system unless otherwise authorized by the appropriate TTB officer.

[T.D. ATF-133, 48 FR 24673, June 2, 1983, as amended by T.D. ATF-442, 66 FR 12854, Mar. 1, 2001]

§ 21.34 Formula No. 2-C.

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

Thirty-three pounds or more of metallic sodium and either ½ gallon of benzene, ½ gallon of toluene, or ½ gallon of rubber hydrocarbon solvent.

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

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

(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).

(c) *Conditions governing use.* This formula shall be used in a closed and continuous system unless otherwise authorized by the appropriate TTB officer.

§21.35 Formula No. 3-A.

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

Five gallons of methyl 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.
- 041. Proprietary solvents.
- 043. Solvents, special (restricted sale).
- 051. Polishes.
- 052. Inks (including meat branding inks).
- 053. Stains (wood, etc.).
- 141. Shampoos.
- 142. Soap 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).

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

§21.36 Formula No. 3-B.

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

One gallon of pine tar, U.S.P.

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

- 111. Hair and scalp preparations.
- 141. Shampoos.
- 142. Soap and bath preparations.
- 410. Disinfectants, insecticides, fungicides, and other biocides.