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013. Shellac coatings.
014. Other natural 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 colloids.
035. Soldering flux.
036. Adhesives and binders.
041. Proprietary solvents.
042. Solvents and thinners (other than proprietary solvents or special industrial solvents).
043. Solvents, special (restricted sale).
051. Polishes.
052. Inks (not 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. Tobacco drying.
333. 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 resin.
355. Processing rubber (latex).
356. Processing other chemicals.
359. Processing miscellaneous products.
410. Disinfectants, insecticides, fungicides, and other biocides.
414. Processing food products.
415. Processing other products.
416. Processed products.
417. Processed products (permitted).
418. Processed products (limited).
419. Processed products (restricted).
420. Embalming fluids and related products.
421. Sterilizing and preserving solutions.
422. Allied cleaning solutions.
423. Cleaning solutions (including household detergents).
424. Photographic solutions.
425. Other dye solutions.
426. Other photographic solutions.
427. Other photographic solutions (including duplicating fluids).
428. Other photographic solutions (not including duplicating fluids).
429. Miscellaneous solutions (including duplicating fluids).
430. 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.
017. 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.
018. As a fluid:
710. Scientific instruments.
720. Brake fluids.
730. Cutting oil.
740. Refrigerating oils.
750. Other fluid uses.
760. Proprietary anti-freeze.
019. Miscellaneous uses:
812. Product development and pilot plant uses (own use only).
900. Specialized uses (unclassified).

§ 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.
034. Cellulose intermediates and industrial colloids.
035. Soldering flux.
036. Adhesives and binders.
041. Proprietary solvents.
042. Solvents and thinners (other than proprietary solvents or special industrial solvents).
043. Solvents, special (restricted sale).
051. Polishes.
052. Inks (not 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. Tobacco drying.
333. 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 resin.
355. Processing rubber (latex).
356. Processing other chemicals.
359. Processing miscellaneous products.
410. Disinfectants, insecticides, fungicides, and other biocides.
414. Processing food products.
415. Processing other products.
416. Processed products.
417. Processed products (permitted).
418. Processed products (limited).
419. Processed products (restricted).
420. Embalming fluids and related products.
421. Sterilizing and preserving solutions.
422. Allied cleaning solutions.
423. Cleaning solutions (including household detergents).
424. Photographic solutions.
425. Other dye solutions.
426. Other photographic solutions.
427. Other photographic solutions (not including duplicating fluids).
428. Other photographic solutions (including duplicating fluids).
429. Miscellaneous solutions (including duplicating fluids).
430. 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 oils.
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).

§ 21.34 Processing other chemicals.

(2) As a raw material:
321. Ethyl acetate.
322. Ethyl chloride.
323. Other ethyl esters.
324. Sodium ethylate, anhydrous.
326. Ethylamines.
450. Dyes and intermediates.
521. Acetalddehyde.
522. Other aldehydes.
523. Ethyl ether.
524. Other ethers.
571. Ethylene dibromide.
572. Ethylene gas.
573. Xanthates.
574. Drugs and medicinal chemicals.
576. Organo-silicone products.
579. Other chemicals.

(3) Miscellaneous uses:
612. 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 hydrosulphite (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 medicinal chemicals 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).
356. Processing other chemicals.
357. Processing miscellaneous products.
358. Disinfectants, insecticides, fungicides, and other biocides.
359. Embalming fluids and related products.
360. Sterilizing and preserving solutions.
361. Industrial detergents and soaps.
365. Cleaning solutions (including household detergents).
470. Theater sprays, incense, and room deodorants.
481. Photengraving and rotogravure dyes and solutions.
482. Other dye solutions.
485. Miscellaneous solutions (including duplicating fluids).

(2) As a raw material:

529. Ethylamines.