

§ 21.57

than 6.8 pounds if solid, or 1 gallon if liquid, of any chemical. When material other than acetaldehyde or ethyl acetate is proposed to be used, the user shall submit an application for such use to the appropriate TTB officer. The application shall include specifications, assay methods, and an 8-ounce sample of the substitute material for analysis.

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

- 511. Vinegar.
- 512. Acetic acid.
- 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.
- 575. Drugs and medicinal chemicals.
- 579. Other chemicals.
- 580. Synthetic rubber.
- 590. Synthetic resins.

(2) Miscellaneous uses:

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

(c) *Conditions governing use.* This formula is restricted to processes in which the alcohol loses its identity by being converted into other chemicals.

§ 21.57 Formula No. 30.

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

Ten gallons of methyl alcohol.

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

- 011. Cellulose coatings.
- 012. Synthetic resin coatings.
- 021. Cellulose plastics.
- 022. Non-cellulose plastics, including resins.
- 031. Photographic film and emulsions.
- 035. Soldering flux.
- 036. Adhesives and binders.
- 042. Solvents and thinners (other than proprietary solvents or special industrial solvents).
- 051. Polishes.
- 052. Inks (not including meat branding inks).
- 053. Stains.
- 142. Soap and bath preparations.
- 331. Processing pectin.
- 332. Processing other food products.
- 341. Processing crude drugs.

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- 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.
- 410. Disinfectants, insecticides, fungicides, and other biocides.
- 430. Sterilizing and preserving solutions.
- 440. Industrial detergents and soaps.
- 450. Cleaning solutions (including household detergents).
- 481. Photoengraving and rotogravure solutions and dyes.
- 482. Other dye solutions.
- 485. Miscellaneous solutions (including duplicating fluids).

(2) As a raw material:

- 575. Drugs and medicinal chemicals.
- 576. Organo-silicone products.
- 579. Other chemicals.
- 590. Synthetic resins.

(3) As a fluid in:

- 740. Refrigerating uses.
- 750. Other fluid uses:

(4) 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).

§ 21.58 Formula No. 31-A.

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

One hundred pounds of glycerin (glycerol), U.S.P., and 20 pounds of hard soap, N.F. XI.

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

- 113. Lotions and creams (hands, face, and body).
- 131. Tooth paste and tooth powder.
- 141. Shampoos.

(2) Miscellaneous uses:

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

§ 21.59 Formula No. 32.

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

Five gallons of ethyl ether.

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