

manufactured with denatured spirits, or a distilled spirits plant proprietor qualified under Part 19 of this chapter as a processor.

N.F. The National Formulary. The latest edition is intended unless otherwise specified. The designations "U.S.P." and "N.F." are considered interchangeable when preparations are transferred from one publication to the other. (For incorporation by reference, see § 21.6(a).)

Proof. The ethyl alcohol content of a liquid at 60 degrees Fahrenheit, stated as twice the percent of ethyl alcohol by volume.

Rum. Any spirits produced from sugar cane products and distilled at less than 190 proof in such manner that the spirits possess the taste, aroma, and characteristics generally attributed to rum.

S.D.A. Specially denatured alcohol.

Specially denatured alcohol. Those spirits known as alcohol, as defined in this section, denatured pursuant to the specially denatured alcohol formulas authorized under subpart D of this part.

Specially denatured rum. Those spirits known as rum, as defined in this section, denatured pursuant to the specially denatured rum formula authorized under subpart D of this part.

Spirits or distilled spirits. Alcohol or rum as defined in this part.

U.S.C. The United States Code.

U.S.P. The United States Pharmacopoeia. The latest edition is intended unless otherwise specified. The designations "U.S.P." and "N.F." are considered interchangeable when preparations are transferred from one publication to the other. (For incorporation by reference, see § 21.6(a).)

[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-435, 66 FR 5475, Jan. 19, 2001]

Subpart C—Completely Denatured Alcohol Formulas

§ 21.21 General.

(a) Alcohol shall be completely denatured only in accordance with formulas prescribed in this subpart (or in accordance with § 21.5).

(b) Denaturers may be authorized to add a smaller quantity of an odorant, rust inhibitor, or dye to completely de-

natured alcohol. Any such addition shall be made only on approval by the appropriate ATF officer. Request for such approval shall be submitted to the appropriate ATF officer.

(c) Odorants or perfume materials may be added to denaturants authorized for completely denatured alcohol in amounts not greater than 1 part to 250, by weight. However, such addition shall not decrease the denaturing value nor change the chemical or physical constants beyond the limits of the specifications for these denaturants as prescribed in subpart E, except as to odor. Proprietors of distilled spirits plants using denaturants to which such odorants or perfume materials have been added shall inform the appropriate ATF officer, in writing, of the names and properties of the odorants or perfume materials so used.

§ 21.22 Formula No. 18.

To every 100 gallons of ethyl alcohol of not less than 160 proof add:

2.50 gallons of either methyl isobutyl ketone, mixed isomers of nitropropane, or methyl *n*-butyl ketone;
0.125 gallon of pyronate or a similar compound;
0.50 gallon acetaldol (beta-hydroxybutyraldehyde); and
1.00 gallon of either kerosene, deodorized kerosene, gasoline, unleaded gasoline, rubber hydrocarbon solvent, or heptane.

§ 21.23 Formula No. 19.

To every 100 gallons of ethyl alcohol of not less than 160 proof add:

4.0 gallons of either methyl isobutyl ketone, mixed isomers of nitropropane, or methyl *n*-butyl ketone; and
1.0 gallon of either kerosene, deodorized kerosene, gasoline, unleaded gasoline, rubber hydrocarbon solvent, or heptane.

§ 21.24 Formula No. 20.

(a) *Formula.* To every 100 gallons of ethyl alcohol of not less than 195 proof add:

A total of 2.0 gallons of either unleaded gasoline, rubber hydrocarbon solvent, kerosene, or deodorized kerosene; or any combination of these.

(b) *Authorized use.* Restricted to fuel use, comparable to specially denatured alcohol "Use Code No." 611, 612, 613, 620, and 630.