CLAIMS

1. Lubricant composition for minimum quantity lubrication in metalworking,
characterized in that
the composition comprises
0.05 to 5 wt.% of emulsifier, relative to the total weight of the composition, and
a proportion of an aliphatic C_{16-24} alcohol supplementing the composition to 100%,
wherein the emulsifier is a glycolic acid alkoxylate alkyl ether, or a mixture thereof with a fatty alcohol polyalkylene glycol ether, wherein
the glycolic acid alkoxylate alkyl ether has the formula (II)
R^2-O-[$(CH_2CH_2O)_x$-$(CH_2CH(CH_3)O)_y$]-CH_2-COOH (II)
wherein R^2 is an aliphatic, branched or linear C_{6-20} alkyl or alkylene residue, wherein x = 0 to 10, y = 0 to 10, and x + y = 1 to 10.

2. Lubricant composition according to claim 1,
characterized in that
the fatty alcohol polyalkylene glycol ether has the formula (I)
R*-[$(CH_2CH_2O)_x$-$(CH_2CH(CH_3)O)_y$]-R^1 (I)
wherein R^1 is an aliphatic, branched or linear C_{16-18} alkyl or alkylene residue and R* is a hydroxyl residue, wherein x = 0 to 10, y = 0 to 10, and x + y = 1 to 10.

3. Lubricant composition according to claim1 or 2,
characterized in that
the aliphatic C_{16-24} alcohol is a branched alcohol, preferably a Guerbet alcohol, particularly preferred a C_{20} alcohol.

4. Lubricant composition according to at least one of the claims 1 to 3,
characterized in that

the composition contains additionally

0.05 to 5 wt.%, relative to the total weight of the composition, fatty acid alkanolamide or alkoxylated fatty acid alkanolamide of the formula (III)

R^3-(CO)-NR'-$(CH_2)_2$-O-[$(CH_2CH_2O)_x$-$(CH_2CH(CH_3)O)_y$]-R'' (III)

wherein

R^3 is an aliphatic, linear or branched C_{5-23} alkyl or alkylene residue, R', R'' independent of each other is hydrogen or an aliphatic, linear or branched, substituted or unsubstituted alkyl or alkenyl residue, and

wherein x = 0 to 10, y = 0 to 10, and x + y = 0 to 10.

5. Lubricant composition according to at least one of the claims 1 to 4, characterized in that

the composition comprises additionally at least one performance additive of the group that encompasses

a) sulfurized compounds comprising sulfurized olefins, sulfurized esters, sulfurized triglycerides, and sulfurized natural ester oils,

b) C_{12-24} fatty acids,

c) ethoxylated natural oil,

d) KOH-saponified rapeseed oil,

e) ethoxylated acidic phosphoric acid ester.

6. Lubricant composition according to claim 5,
characterized in that

a proportion of each performance additive relative to the total weight of the composition amounts to 15 wt.% relative to the total weight of the composition and

a proportion of the sum of the performance additives relative to the total weight of the composition amounts to 30 wt.%.

7. Use of a lubricant composition according to at least one of the claims 1 to 6 for minimum quantity lubrication in metalworking, wherein residues of the lubricant composition remaining on surfaces of workpiece and tool can be washed off with water.