Claims:

1. A penetrating oil comprising:
   55-98 vol-% isoalkane solvent of the total volume of the penetrating oil, which isoalkane solvent comprises at least 85 wt-% isoalkanes of the total weight of the isoalkane solvent, of which isoalkanes at least 85 wt-% are in the range of carbon number C14-C20; and
   2-30 vol-% oil derived from biological sources of the total volume of the penetrating oil.

2. The penetrating oil according to claim 1 comprising a lubricity additive 0.1-5 vol-% of the total volume of the penetrating oil, the lubricity additive comprising 5-50 wt-% solid particles and 50-95 wt-% carrier oil of the total weight of the lubricity additive.

3. The penetrating oil according to claim 1 or 2, comprising 2-20 vol-%, preferably 5-10 vol-% oil derived from biological sources of the total volume of the penetrating oil.

4. The penetrating oil according to any of the preceding claims, wherein the oil derived from biological sources is an ester oil derived from biological sources, preferably a triglyceride oil.

5. The penetrating oil according to any of the preceding claims, comprising 70-95 vol-%, preferably 80-94 vol-%, more preferably 85-92 vol-% isoalkane solvent of the total volume of the penetrating oil.

6. The penetrating oil according to any of the preceding claims, wherein the isoalkane solvent comprises ~~at least 85 wt-%, preferably~~ at least 90 wt-%, more preferably at least 93 wt-% isoalkanes of the total weight of the isoalkane solvent.

7. The penetrating oil according to any of the preceding claims, wherein the isoalkane solvent comprises at most 98 wt-% isoalkanes of the total weight of the isoalkane solvent.

8. The penetrating oil according to any of the preceding claims, wherein of the isoalkanes in the isoalkane solvent at least 90 wt-% are in the range of carbon number C14-C20 and/or at least 70 wt-%, preferably at least 80 wt-%, more preferably at least 85 wt-%, even more preferably at least 90 wt-% are in the range of carbon number ~~C14-C20, preferably~~ C14-C18, ~~more~~ preferably C16-C18.

9. The penetrating oil according to any of the preceding claims, wherein of the isoalkanes in the isoalkane solvent at most 95 wt-% are in the range of carbon number C14-C20, or C14-C18, or C16-C18.

10. The penetrating oil according to any of the preceding claims, wherein the isoalkane solvent has a flash point above 60 °C, preferably above 65 °C, more preferably above 70 °C as measured according to ASTM D 93-2010a (2011).

11. The penetrating oil according to any of the preceding claims, wherein the isoalkane solvent has a pour point below -30 °C, preferably below -40 °C, more preferably below -50 °C, even more preferably below -60 °C as measured according to ASTM D 5950-2014.

12. The penetrating oil according to any of the preceding claims, wherein the isoalkane solvent has a kinematic viscosity below 12 mm^2/s, preferably below 10 mm^2/s, more preferably below 8.0 mm^2/s at 20 °C as measured according to ENISO3104/1996.

13. The penetrating oil according to any of the preceding claims, wherein the isoalkane solvent has a kinematic viscosity of at least 1.0 mm^2/s, preferably at least 2.0 mm^2/s, more preferably at least 3.0 mm^2/s at 20 °C as measured according to ENISO3104/1996.

14. The penetrating oil according to any of the preceding claims, wherein the oil derived from biological sources has a higher kinematic viscosity than the isoalkane solvent, the kinematic viscosity of the oil derived from biological sources preferably being more than 8 mm^2/s, more preferably more than 10 mm^2/s, even more preferably more than 12 mm^2/s as measured according to ENISO3104/1996.

15. The penetrating oil according to any of the preceding claims 2-14, comprising 0.5-2 vol-%, preferably 0.9-2 vol-% lubricity additive of the total volume of the penetrating oil.

16. The penetrating oil according to any of the preceding claims 2-15, wherein the lubricity additive comprises 10-40 wt-% solid particles and 60-90 wt-% carrier oil, preferably 10-30 wt-% solid particles and 70-90 wt-% carrier oil, more preferably 20-30 wt-% solid particles and 70-80 wt-% carrier oil of the total weight of the lubricity additive.

17. The penetrating oil according to any of the preceding claims 2-164, wherein the solid particles of the lubricity additive have a particle size below 50 µm, preferably below 20 µm, more preferably below 10 µm, even more preferably below 1 µm.

18. The penetrating oil according to any of the preceding claims 2-17, wherein the solid particles of the lubricity additive have a particle size above 10 nm, preferably above 30 nm, more preferably above 50 nm, even more preferably above 70 nm.

19. The penetrating oil according to any of the preceding claims 2-18, wherein the solid particles of the lubricity additive are selected from boron nitride particles, graphite particles, molybdenum sulfide particles, or polytetrafluoroethylene particles, or optionally a combination thereof.

20. The penetrating oil according to any of the preceding claims, comprising a propellant 1-10 vol-% of the total volume of the penetrating oil.

21. The penetrating oil according to claim 20, wherein the propellant is selected from propane, butane, CO_2, N_2, or air, or optionally a combination thereof, preferably from air, CO_2, or N_2, or optionally a combination thereof.

22. The penetrating oil according to claim 20 or 21, comprising 2-7 vol-% CO_2 as propellant of the total volume of the penetrating oil.

23. A method for producing a penetrating oil comprising the steps of:
mixing an isoalkane solvent, which isoalkane solvent comprises at least 85 wt-% isoalkanes of the total weight of the isoalkane solvent, of which isoalkanes at least 85 wt-% are in the range of carbon number C14-C20, with an oil derived from biological sources to form a penetrating oil comprising 55-98 vol-% isoalkane solvent and 2-30 vol-% oil derived from biological sources of the total volume of the penetrating oil.

24. The method according to claim 23, comprising
mixing solid particles with a carrier oil to form a lubricity additive comprising 5-50 wt-% solid particles and 50-95 wt-% carrier oil of the total weight of the lubricity additive; and
mixing the lubricity additive with the isoalkane solvent and the oil derived from biological sources to form a penetrating oil comprising 55-97.9 vol-% isoalkane solvent, 0.1-5 vol-% lubricity additive, and 2-30 vol-% oil derived from biological sources of the total volume of the penetrating oil.

25. The method according to claim 24, wherein the mixing of solid particles with the carrier oil is performed by high speed mixing at 1000-10000 rpm.

26. The method according to claim 25, wherein the duration of the high speed mixing is 0.5-4 h, and wherein the high speed mixing is performed at a temperature selected from the range from 15 to 35 °C.

27. The method according to any of the preceding claims 23-26, comprising mixing the isoalkane solvent, the oil derived from biological sources, and optionally the lubricity additive, with a propellant to form a penetrating oil comprising 55-97 vol-% isoalkane solvent, 2-30 vol-% oil derived from biological sources, 1-10 vol-% propellant, and optionally 0.1-5 vol-% lubricity additive, of the total volume of the penetrating oil.

28. Use of a composition comprising 55-98 vol-% isoalkane solvent, which isoalkane solvent comprises at least 85 wt-% isoalkanes of the total weight of the isoalkane solvent, of which isoalkanes at least 85 wt-% are in the range of carbon number C14-C20, and 2-30 vol-% oil derived from biological sources as a penetrating oil, a release oil and/or a rust remover.