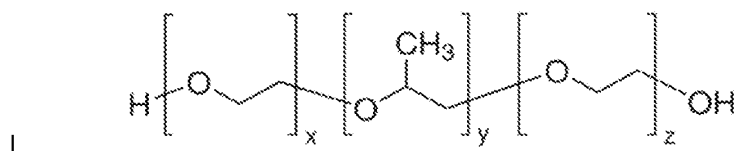


WHAT IS CLAIMED IS:

1. A poloxamer composition having the formula I:



wherein y is about 15 to about 26; the sum of x and z is from about 81 to about 100; and the composition has an average molecular weight in the range of about 6,000 g/mol to about 8,000 g/mol.

2. The composition of claim 1, wherein y is about 15, about 16, about 17, about 18, about 19, about 20, about 21, about 22, about 23, about 24, about 25, or about 26.
3. The composition of claims 1 or 2, wherein the sum of x and z is about 81, about 82, about 83, about 84, about 85, about 86, about 87, about 88, about 89, about 90, about 91, about 92, about 93, about 94, about 95, about 96, about 97, about 98, about 99, or about 100.
4. The composition of any of claims 1-3, wherein the composition has an average molecular weight of about 6,000 g/mol, about 6,200 g/mol, about 6,400 g/mol, about 6,600 g/mol, about 6,800 g/mol, about 7,000 g/mol, about 7,200 g/mol, about 7,400 g/mol, about 7,600 g/mol, about 7,800 g/mol, or about 8,000 g/mol.
5. A poloxamer composition having an average molecular weight that is less than Poloxamer 188.
6. A method of making the composition of any of claims 1-5 substantially as disclosed herein and in the accompanying Figures.
7. Use of the composition of any of claims 1-5 substantially as disclosed herein and in the accompanying Figures.
8. The methods, compositions, uses, and inventions as substantially disclosed herein and in the accompanying Figures.