

Let  $R$  be a ring, and let  $S$  be a semigroup. The semigroup ring  $R[S]$  simultaneously encodes the semigroup structure of  $S$  and the ring structure resulting in an object of great utility in various areas of both ring theory and group theory. The interplay between the structures of  $R$ ,  $S$ , and  $R[S]$  is a topic with a long mathematical history full of fascinating results. In this talk, we discuss semiprimeness and related properties of semigroup rings over a particular class of semigroups: those semigroups which arise as the multiplicative semigroup of a ring.