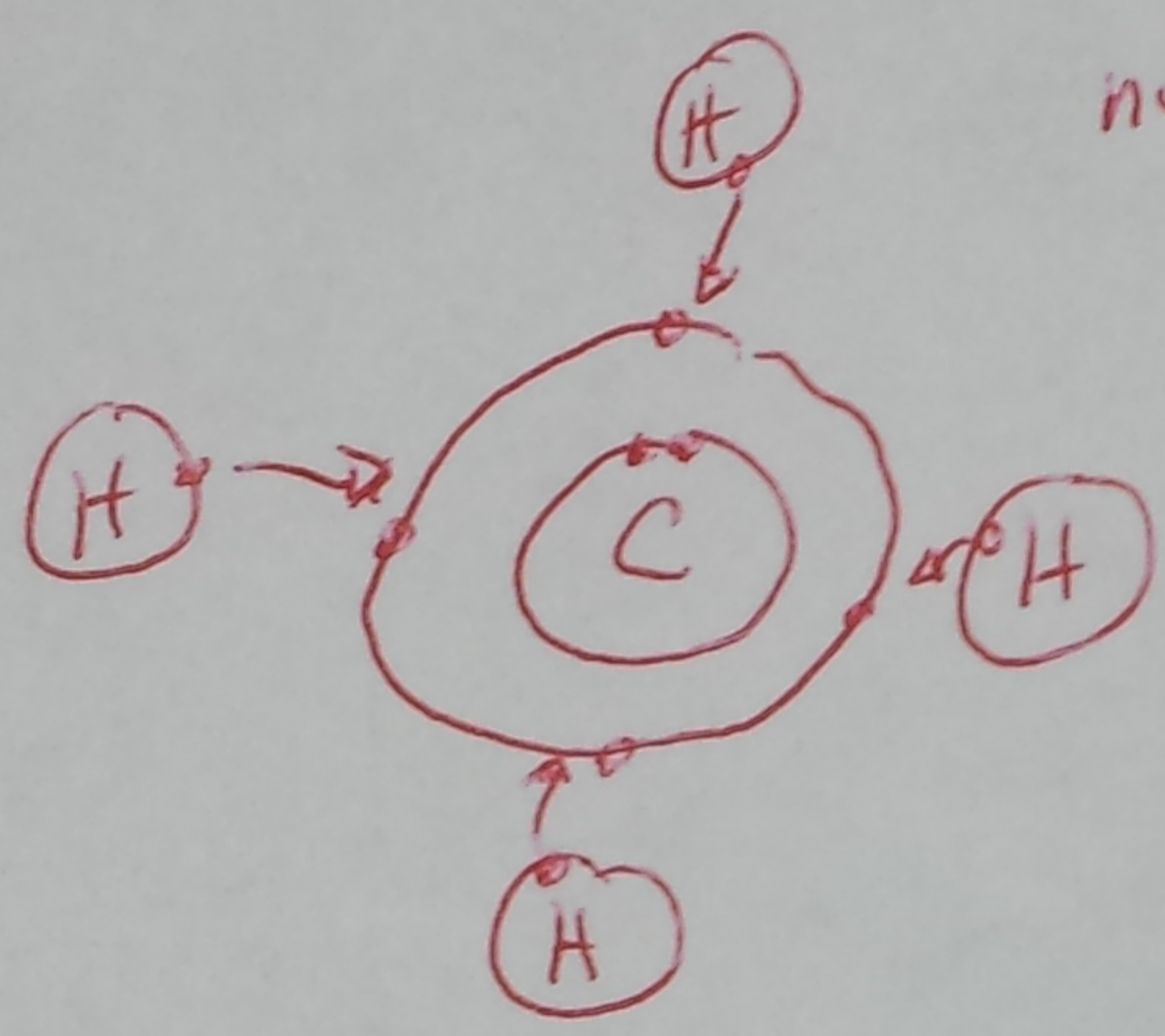


MORE PRACTICE!

CREATE DIAGRAMS LIKE THOSE SHOWN PREVIOUSLY THAT EXPLAIN THE BONDING BETWEEN THE FOLLOWING ATOMS. REMEMBER THAT ALL ATOMS WANT TO HAVE A STABLE (8 ELECTRON) OUTER ELECTRON SHELL (Except H - it wants 2)!!

1 CARBON AND 4 HYDROGEN ATOMS (methane)



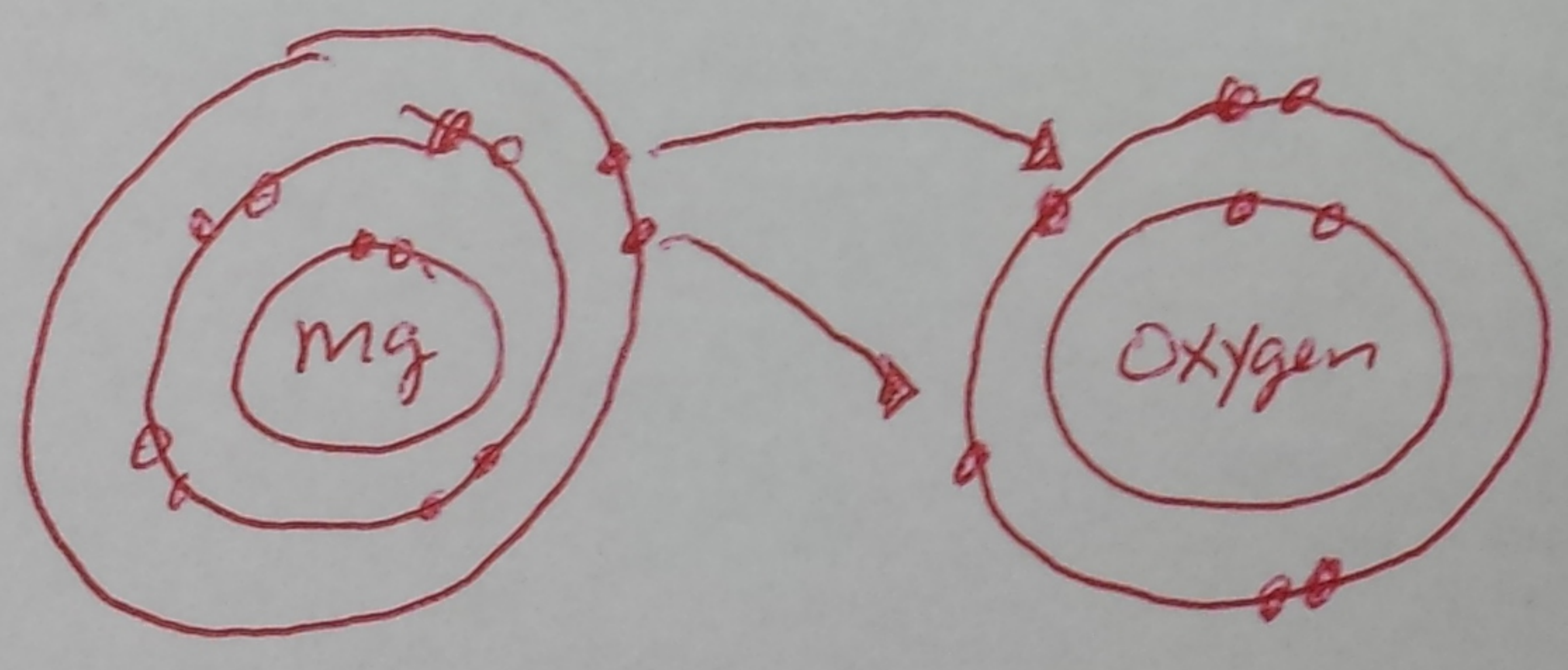
non metal +
non metal =

WHAT TYPE OF BOND WILL THESE ATOMS FORM?
Covalent

This cow is carrying a flexible, lightweight "tank" used to capture methane emissions in global warming experiments. (Seriously – I'm not good enough at photoshop to make this up!! <http://www.telegraph.co.uk/news/newstoppers/howaboutthat/2274995/Cow-farts-collected-in-plastic-tank-for-global-warming-study.html>)



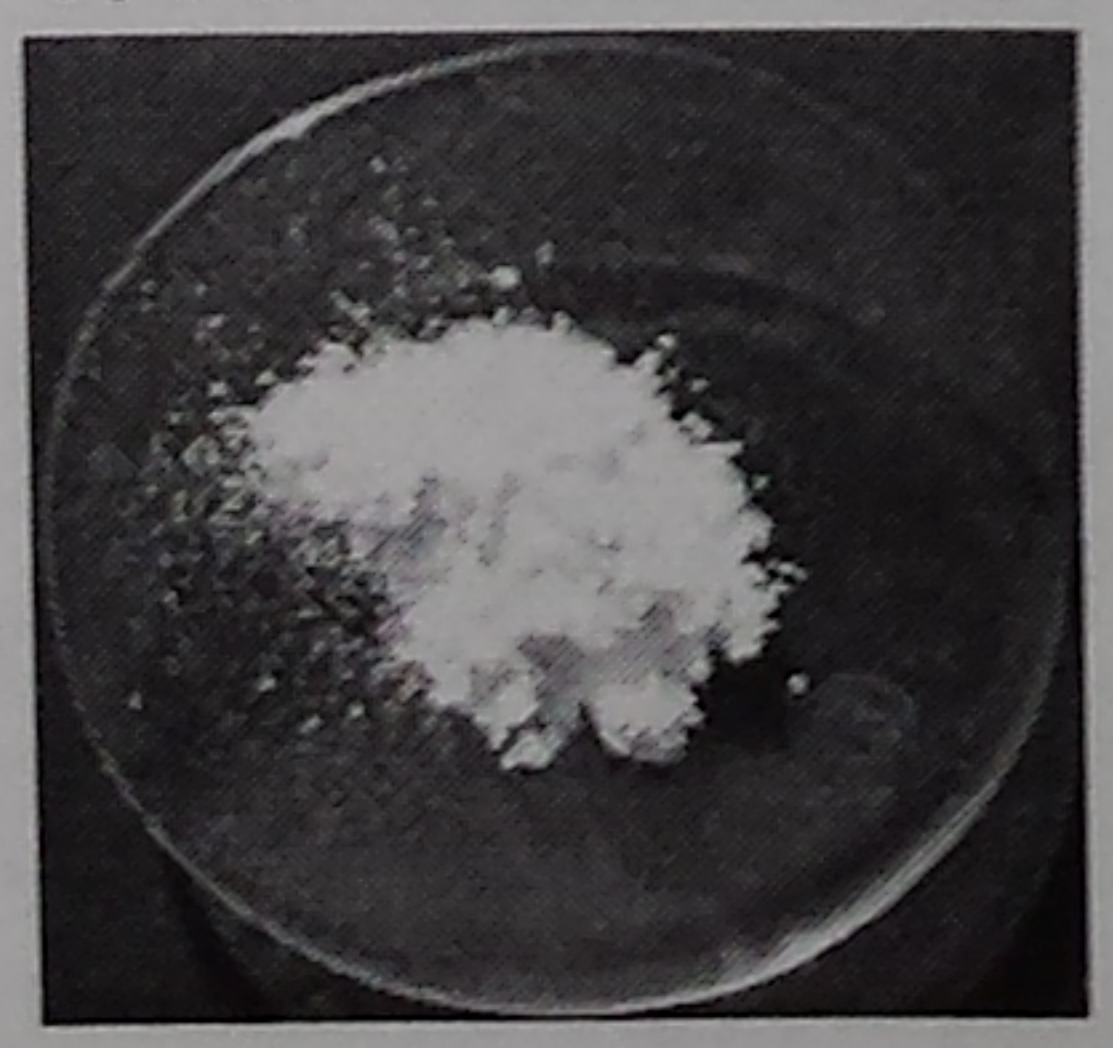
1 MAGNESIUM AND 1 OXYGEN ATOM



metal +
non metal =

WHAT TYPE OF BOND WILL THESE ATOMS FORM?
Ionic

WHAT IS MAGNESIUM OXIDE?



It is used by many libraries for preserving/deacidifying books, and as an insulator in industrial cables. It is also used as a medication to relieve heartburn, sour stomach, or acid indigestion. Medical uses of Magnesium oxide also include using it as a short-term laxative, or used to supplement a diet with magnesium.

Magnesium oxide is a principle ingredient in construction materials used for fireproofing.