

Date sent: Thu, 26 Jun 1997 17:02:11 -0500 (CDT)  
From: "G.P. Jones" <jonesgp@ameslab.gov>  
Subject: SAFETY ALERT- aluminum regulators and O2

Today's e-mail from the DOE fire safety community included a safety alert regarding the use of aluminum regulators with oxygen gas cylinders. It's quoted below;

**"SAFETY ALERT: Aluminum Oxygen Regulators**  
from Mike Mielke

Recent incidents involving aluminum regulators on oxygen cylinders highlight the potential hazards of using aluminum regulators in oxygen service.

In several incidents, the valve on an oxygen cylinder was opened too quickly and the resulting surge of oxygen caused a rapid rise in temperature, which ignited parts of the aluminum regulator. This has caused severe injuries and could result in death."

**IT IS STRONGLY RECOMMENDED THAT YOU REVIEW YOUR REGULATOR USAGE,  
AND REMOVE ALL ALUMINUM REGULATORS FROM OXYGEN SYSTEMS.**

As a reminder for all regulator/cylinder usage...please remember to bring the regulator up to pressure slowly to prevent physical failure of the regulator

If you have any questions, please e-mail [withers@ameslab.gov](mailto:withers@ameslab.gov), or call Jim Withers at 4-4743.