

Safety Procedure for **Magdeburg Hemispheres**

1. Don't run the vacuum pump without the hemispheres attached (the fumes can fill enclosed spaces).
2. Always have a loop of rope connecting the two spheres, so that if they DO come apart they won't hit anyone.
3. Never let go of rope suddenly during tug of war.
4. Ensure that there are no sharp objects nearby, or dangerous surfaces to land on.
5. Wear fully covered shoes.
6. Pull steadily on rope and not with a sharp tugging motion.
7. Audience members will be restricted to an area further than 2m from the demonstration, unless participating directly in the demonstration, in which case they will be closely supervised by Demo Troupe members.
8. When pulling on the spheres there will always be a Demo Troupe member holding onto the actual spheres themselves (there are metal loops on them that are appropriately sized to hang onto) to prevent them swinging back should they come apart.
9. When audience members are participating in the 'Tug of war' there will always be a Demo Troupe person at both ends of the ropes on each end of the hemispheres.