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<?xml version = "1.0" encoding = "UTF-8" standalone = "yes"?>
<CI>
  <!-- LIST OF GEOMETRICAL DOMAINS -->
  <physicalDomains>
    <domain name="base" state="water" type="entireDomainWithParticularities"/>
    <domain name="bubble" state="air" type="disc">
      <dataDisc axis1="x" axis2="y" radius="0.5e-3">
        <center x="0.75e-3" y="0." z="0."/>
      </dataDisc>
    </domain>
  </physicalDomains>

  <!-- LIST OF BOUNDARY CONDITIONS -->
  <boundaryConditions>
    <boundCond name="CLXm" type="wall" number="1"/>
    <boundCond name="CLXp" type="nonReflecting" number="2"/>
    <boundCond name="CLYm" type="symmetry" number="3"/>
    <boundCond name="CLYp" type="nonReflecting" number="4"/>
  </boundaryConditions>

  <!-- LIST OF STATES -->
  <state name="water">
    <material type="fluid" EOS="SG_water_cavitation.xml">
      <dataFluid alpha="1." density="1000." pressure="50.6625e5"/>
    </material>
    <material type="fluid" EOS="IG_air.xml">
      <dataFluid alpha="0." density="4.837" pressure="50.6625e5"/>
    </material>
    <mixture>
      <velocity x="0." y="0." z="0."/>
    </mixture>
  </state>

  <state name="air">
    <material type="fluid" EOS="SG_water_cavitation.xml">
      <dataFluid alpha="0." density="1000." pressure="3.55e3"/>
    </material>
    <material type="fluid" EOS="IG_air.xml">
      <dataFluid alpha="1." density="0.027" pressure="3.55e3"/>
    </material>
    <mixture>
      <velocity x="0." y="0." z="0."/>
    </mixture>
  </state>
</CI>
```