**Risk Assessment**

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| Activity assessed | Dry Ice Comet AA006 |
| *Date of assessment* | 16/09/2020 |
| *Date of review (****Step 5****)* | 16/09/2021 |
| *Reviewer* | D.Theodorakis – Physics Teacher |

**Description of activity:**

| Step 1 | Step 2 | Step 3 | | Step 4 | | |
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| *List Significant hazards here:* | *Who might be harmed and how?* | *What are you already doing?* | *What further action is needed?* | *Action by whom?* | *Action by when?* | *Done* |
| Dry Ice | Students and teacher – burns from ice and spitting when adding liquid | Safety brief, gloves and googles, liquid added to ice in a bin bag in a tray at arm’s length. | Use gloves and goggles | Students/Teacher | Start of practical | End of clear up after practical |
| Isopropyl Alcohol | Students – skin irritation | Safety brief, small amount only in lab, no flames, clear benches, disposed by techs. | Use gloves and goggles. | Students/  Teacher | Start of lesson | End of clear up after practical |
|  |  |  |  |  | Start of lesson | During lesson |
|  |  |  |  |  | During lesson | During lesson |
|  |  |  |  |  | During lesson | During lesson |

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| **Additional comments:**  Dry ice needs to be crushed and 50% powder and stored in a polystyrene box before use in the class.  If done as a demo the main risks are to the teacher, but the students should also wear goggles and gloves if they are going to handle the comet or are near it.  Crushing and making comets is done inside two black bin bags inside a tray on the table to prevent splashing/bits flying.  <https://www.lpi.usra.edu/education/space_days/activities/comets/dryIceComet.pdf>  Activity must take place in a large well ventilated room or outside. |