

# Health and safety

## Ensuring the safe delivery of the programme

It is the responsibility of all centres that are delivering the Operation Earth programme to ensure that risk assessments for each of the activities you intend to deliver have been carried out, and any necessary safety measures are put in place before delivery.

Example risk assessments for the main activities can be found online at:

[www.operationearth.co.uk](http://www.operationearth.co.uk)

## Key safety notices

### Chemicals:

The only chemical used in this programme that needs to be purchased from a chemical supplier is the indicator Bromothymol Blue 0.04% aq.

Bromothymol Blue is a common indicator used to detect pH changes between 6 and 7.6. It is great for detecting dissolved carbon dioxide and other weakly acidic solutions. Bromothymol blue can cause mild skin irritation and is harmful if ingested. Therefore any activities involving this indicator should be carefully supervised by a member of staff at all times.

Should any of the liquid come into contact with the user, the advised first-aid measures are:

- Eyes: Rinse with plenty of water for at least 15 minutes and seek medical attention.



- Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention.
- Inhalation: Move casualty to fresh air and keep at rest. If breathing is difficult, seek medical attention.
- Skin: Flush with plenty of water and wash using soap. Get medical attention if necessary.

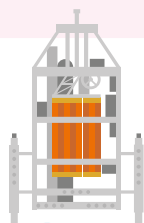
### Disposal:

Please adhere to your centres policy on safe and responsible disposal of chemicals.

### Electrical items:

Please follow your centre's guidelines regarding the use of electrical equipment and safety testing. Ensure that it is regularly safety tested.

All equipment should be inspected prior to use and if there is any damage to the cabling or the item, the equipment should not be used and should be repaired by a trained professional.



## The Earth Suit:

The following are key safety notices regarding the Earth costume:

- The wearer must take regular breaks and remove the suit to prevent overheating or fatigue.
- If the suit is being used outside of the show, the wearer must always be accompanied by another member of staff to ensure that the wearer does not trip or collide with objects or people, and to assist with passage through doorways.
- The suit must not be worn when using the stairs. It is advised that the wearer uses a lift when moving between different levels within a building if they do not wish to remove the suit.
- If the wearer feels ill at any point whilst in the suit, it must be removed immediately and appropriate first aid administered as required. It is the responsibility of both the wearer and the member of staff accompanying the wearer to ensure their safety and wellbeing.
- All centres must conduct their own risk assessment on the suit before use.



## Air quality activity and use of the leaf blower:

The following are key safety notices regarding the air quality activity and the use of the leaf blower:

- Volunteers must always be provided with and wear suitable PPE which must include a dust mask and safety goggles.
- The leaf blower must not be directed at the volunteer in the tent.
- This activity must not take place near any exhaust fumes or gases (e.g. liquid nitrogen) that could be blown into the air tent.
- Please ensure volunteers are ok with confined spaces before they enter the air tent.
- Should the volunteer wish to end the activity early and leave the tent, the presenter must immediately stop the demo and assist the volunteer out.

For all other safety information and list of equipment suppliers please refer to the Operation Earth website.

