

# Bleach safety training

Metro's bleach safety kit for childcare providers includes calibrated pumps that, when used properly, help ensure that bleach solutions are properly diluted. The activities below help train childcare staff to use the calibrated pumps safely and effectively.

## TRAINING

**Using calibrated pumps** to measure bleach for sanitizer and disinfectant solutions

## TIME TO COMPLETE

**20-30 minutes**

## OBJECTIVES AND RECIPES

**Ensure understanding** between sanitizing and disinfecting.

**Identify** the areas of the childcare facility that require a sanitizer or a disinfectant.

**Identify the small, clear pump for sanitizing.**

- Add 1 pump of bleach to 1 quart of water or
- Add 3 pumps of bleach to 1 gallon of water

**Identify the large, white pump for disinfecting.**

(5.25 - 6% bleach concentration)

- Add 3 pumps of bleach to 1 quart of water or
- Add 12 pumps of bleach to 1 gallon of water

**Identify the large, white pump for disinfecting**

(8.25% bleach concentration)

- Add 2 pumps of bleach to 1 quart of water or
- Add 8 pumps of bleach to 1 gallon of water

*Thank you for practicing bleach safety to help ensure that childcare staff and the children they care for are safe from the hazard of chemical exposure.*

## ACTIVITIES

**Review bleach safety notes**

**Discuss** why some areas of the childcare facility require bleach cleaning solutions.

**Pass around** the labels, pumps, posters and unopened bleach bottles.

**Watch** the 3-minute training video "Keeping kids safe" at [www.oregonmetro.gov/cleangreen](http://www.oregonmetro.gov/cleangreen).

**Work** in teams of two to four.

- Identify the concentration of bleach you have to use.
- Follow poster instructions to make up one solution per team.
- Discuss and identify where to display posters.

## DISCUSSION QUESTIONS

What bleach concentrations does your facility use ?

Which areas of the childcare facility require a sanitizer and which require a disinfectant?

How much bleach does it take to make a quart of disinfectant using 8.25% bleach concentration?

(Answer: 2 pumps from the large, white pump. These 2 pumps equal 1.5 teaspoons of bleach.)

How much bleach does it take to make a gallon of sanitizer?

(Answer: 3 pumps from the small, clear pump. These 3 pumps equal 1 teaspoon of bleach.)

