

Case Study: Childcare Facility Safer Cleaning Supplies

Daniela's Day Care

Daniela's Day Care provides services to families in Hollister, CA. The proprietor, Daniela Tapia, understands the impact of children's exposure to hazardous chemicals. She is enthusiastic about transitioning to cleaning products that are less toxic, user-friendly, and readily available for purchase.

“This certification has emphasized the importance of using non-toxic cleaning supplies for the well-being of children and myself. I’m glad that I was able to find out about it.”

- Daniela Tapia, Child Care Provider

Business Profile:

Name: Daniela's Day Care

Business Type: Childcare Facility

Location: Salinas, CA

Enrollment Capacity: 8

Number of Children: 7

Age Range: 1 - 13

Daily Meals Provided:

2 snacks, 3 meals

Number of employees: 1

Indoor square footage:

156 sq ft

Outdoor square footage:

1966 sq ft

Method of dishwashing:

Handwash

Loads of laundry per week: 3

Hand washing stations: 2

NAICS Code: 624410

Why are children more vulnerable?

High exposure due to:

- Frequent contact with the ground or floor, where chemicals collect.
- Hand-to-mouth activity.
- Less varied diet.
- Eat, drink, and breath more per pound.
- Spend most of the time indoors.



If a chemical is present in air, food, or water, a greater amount will be taken in by a child in proportion to their body size than by an adult.

Products used before:

- Pine Sol
- Lysol
- Equate Hand Soap
- Kirkland Dish Soap
- Sprayway glass cleaner
- Oxi Clean Max

Products used after:

- Bona Multi-Surface Floor Cleaner
- Seventh Generation Toilet Bowl Cleaner
- ECOS Hypoallergenic Hand Soap
- ECOS Dish Soap
- Windex Multi Surface Cleaner and Disinfectant Spray
- Simple Green
- ECOS Laundry Detergent Liquid
- All purpose Cleaner-Degreaser



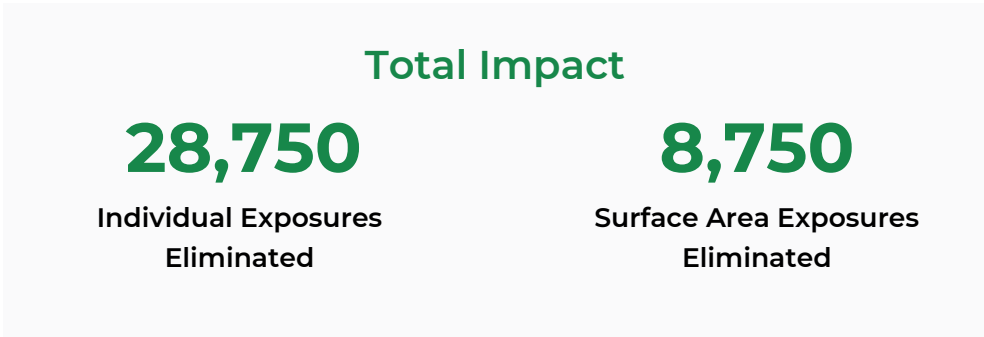
For this program safer cleaning supplies include: EPA certified Safer Choice, GreenSeal Certified products and/or Environmental Working Group evaluated products.

Results

Old Item	New Item	Use Frequency (Per Day)	Square Feet of Area Cleaned	Number of People Exposed*	Number of Exposures (per week)	Number of Exposures over 1 year period**
Pine Sol	Bona Multi-Surface Floor Cleaner	2	600	7	70	3,500
Lysol	Seventh Generation Toilet Bowl Cleaner	1	10	7	N/A	2,500
Equate Hand Soap	ECOS Hypoallergenic Hand Soap	5	N/A	7	175	8,750
Kirkland Dish Soap	ECOS Dish Soap	3	N/A	7	105	5,250
Sprayway glass cleaner	Windex Multisurface Cleaner and Disinfectant Spray	1	15	7	35	1,750
Lysol	Simple Green	1	100	7	35	1,750
Oxi Clean Max	ECOS Laundry Detergent Liquid	2	N/A	7	70	3,500
Lysol	All-Purpose Cleaner-Degreaser	1	50	7	35	1,750

*students and care-providers

**50 weeks, assuming facility is closed 2 weeks each year



It is estimated that Morenos Daycare will pay about \$15 per month more for safer cleaning supplies. However, this cost was offset by savings achieved by transitioning to reusable foodware.

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