BLEACH EXPOSURE IN CHILD CARE

Did you know that bleach used in child care to meet California Child Care Licensing regulations for infection control can put child care workers at risk for asthma?

Exposure to bleach has been linked with work-related asthma—that includes both newly developed asthma and causing asthma symptoms for those who already have asthma.

As child care operators have also reported that spraying bleach frequently throughout the day has caused respiratory distress, allergic reactions, and skin burns, the San Francisco Asthma Task Force has been working to reduce bleach exposure since 2008 and has identified bleach-free sanitizers and disinfectants that are safer for asthma.

Please note that these products are recommended for use in child care settings only as specified in this brochure.

Options for Eliminating Bleach in Child Care Settings

Websites for resources to eliminate bleach exposure in child care
- Regional Asthma Management and Prevention www.rampasthma.org
- San Francisco Child Care Planning and Advisory Council http://sfcpac.org/resources.html

For information on training (SF only) — a one hour/one and a half hour training includes education of asthma and asthma triggers, infection control, CA Child Care Licensing requirements, best practices, and recommended products — or transitioning to bleach-free sanitizers and disinfectants, contact:

Luz Agana
San Francisco Asthma Task Force
c/o Children's Environmental Health Promotion Environmental Health Section
San Francisco Department of Public Health

Phone: (415) 252-3958
Fax: (415) 252-3889
Email: luz.agana@sfdph.org
**RECOMMENDED PRODUCTS**

- **Oxivir® TB**
  - Sold as 946mL (1 US Qt)
  - Product Number 4277285

- **Alpha HP®**
  - Sold as 1.5L
  - Product Number 4339853

- **ionatorEXP™ or Pro-San® L**
  - Sold as 1 Unit Commercial Use
  - Sold as 946mL (1 US Qt) P/N PSL-32

**HOW TO USE**

**Disinfecting with Oxivir TB™ and sanitizing with the ionatorEXP™ or Pro-San® L** require a pre-clean step using either diluted triclosan-free soap, or the ionatorEXP™ as a first pass step.

- **As a DISINFECTANT** for use by classroom staff on surfaces such as:
  - Diaper Changing Tables
  - Sinks
  - Toilets
  - Activity Tables
  - This ready-to-use disinfectant contains accelerated hydrogen peroxide and requires a dwell time of one minute.
  - One Qt. bottle of Oxivir® TB will last approximately one month per Infant/Toddler Room. One case of 12 Qt.-size bottles costs $58 (08/2010).

- **As a DISINFECTANT or SANITIZER** for use by custodial staff on surfaces such as:
  - Floors
  - Sinks
  - Toilets
  - This ready-to-dilute disinfectant/sanitizer contains accelerated hydrogen peroxide and requires a dwell time of ten minutes.
  - One case of two 1.5L-size bottles costs $62 (08/2010).

- **As a SANITIZER** for use by all staff on food contact surfaces

  - **ionatorEXP™**: This sanitizing device uses tap water only and a six second continuous spray.
    - One unit costs $305 (valid until 06/30/2011) through this program, and has a shelf life of approximately five years.
  - **Pro-San® L**: This ready-to-use or ready-to-dilute sanitizer contains citric acid and requires a dwell time of one minute.
    - One Qt. bottle of Pro-San® L will last approximately nine months per Infant/Toddler Room. One case of 12 Qt.-size ready-to-use spray bottles costs $103, or one case of 100 ready-to-dilute pouches costs $325 and will last approximately five years (08/2010).

**HOW TO PURCHASE**

- **Waxie Sanitary Supply**
  - www.waxie.com
  - 901 N. Canyons Parkway
  - Livermore, CA 94550 USA
  - **Marklin Alford**
    - Sr. Account Executive
    - Office: (925) 454-2900, Ext. 417
    - Cell: (415) 400-6942
    - Fax: (925) 605-3703, Orders Only
    - email: MALFORD@WAXIE.COM

- **ionatorEXP™**: Laguna Greenworks
  - www.lagunagreenworks.com
  - Order online: www.lagunagreenworks.com/shop
  - Use the promo code SFChildren at checkout to receive an exclusive discounted kit (Valid through 06/30/2011)
  - Order by phone: 949-371-3310 and Mention “We Care for Children SF”

- **Pro-San® L**: Microcide, Inc.
  - www.microcide.com
  - Order online: http://www.microcide.com/prosan.htm
  - Order by phone: 1-888-342-6279