GOJO

HAND HYGIENE TIMES

Your resource for the latest news in effective infection control program development and best practices.

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Fire Code Regulations

Jane Kirk MSN, RN, CIC, Clinical Manager

	NFPA[3]	IFC[4]
10 Gallon Limit Calculation	**19.3.2.6 Alcohol-based Hand-Rub Dispensers** (5) Not more than an aggregate 10 gal (37.8 L) of alcohol-based hand-rub solution or 1135 oz (32.2 kg) of Level 1 aerosols, or a combination of liquids and Level 1 aerosols not to exceed, in total, the equivalent of 10 gal (37.8 L) or 1135 oz (32.2 kg), shall be in use outside of a storage cabinet in a single smoke compartment except as otherwise provided in 19.3.2.6(6). (6) One dispenser complying with 19.3.2.6 (2) or (3) per room and located in that room shall not be included in the aggregated quantity addressed in19.3.2.6(5). *2012 NFPA 19.3.2.6*	**5705.5.1 Corridor Installation** **3.** The maximum quantity allowed in a corridor within a control area shall be 10 gallons (37.85L). The 2012 IFC Code specifically segregates corridor installations. Within the corridor installation section the code indicates that there is a 10 gal quantity limit. It is practical to apply the 10 gal quantity limit to product actually installed in the corridor, not to product installed in rooms off corridors. *2012 IFC, page 381*
Touch-Free Dispenser Use	**19.3.2.6 Alcohol-based Hand Rub Dispensers** (11) Operation of the dispenser shall comply with the following criteria: (a) The dispenser shall not release its contents except when the dispenser is activated, either manually or automatically by touch-free activation. (b) Any activation of the dispenser shall only occur when an object is placed within 4 in. (100 mm) of the sensing device. (c) An object placed within the activation zone and left in place shall not cause more than one activation. (d) The dispenser shall not dispense more solution than the amount required for hand hygiene consistent with label instructions. (e) The dispenser shall be designed, constructed and operated in a manner that ensures accidental or malicious activation of the dispensing device are minimized. (f) The dispenser shall be tested in accordance with the manufacturer's care and use instructions each time a new refill is installed. *2012 NFPA 101, page 210*	**5705.5 Alcohol-based hand rubs classified as Class I or II liquids** **5.** Dispensers shall not release their contents except when the dispenser is manually activated. Facilities shall be permitted to install and use automatically activated "touch-free" alcohol-based hand-rub dispensing devices with the following requirements: **5.1** The facility or persons responsible for the dispensers shall test the dispensers each time a new refill is installed in accordance with the manufacturer's care and use instructions. **5.2** Dispensers shall be designed and must operate in a manner that ensures accidental or malicious activations of the dispensing device are minimized. At a minimum, all devices subject to or used in accordance with the section shall have the following safety features: **5.2.1** Any activations of the dispenser shall occur when an object is placed within 4 inches of the sensing device. **5.2.2** The dispenser shall not dispense more than the amount required for hand hygiene consistent with the label instructions as regulated by the US FDA. **5.2.3** An object placed within the activation zone and left in place will cause only one activation. *2012 IFC, page 381*

Although there is a proven decrease in healthcare associated infections (HAI) when alcohol based hand rubs (ABHR) are used in healthcare settings,[1,2] there are safety concerns that ABHRs are flammable. The healthcare facility must provide a safe environment for patients, visitors and healthcare personnel. Recently the two organizations that provide model fire codes: the National Fire and Protection Agency (NFPA) and the International Fire Code Institute (IFCI) have updated the guidelines to address concerns about the 10 gallon limit calculation and also touch-free Dispenser usage. These codes may be adapted in whole, modified, or referenced by localities as their fire code.The NFPA and IFC 2012 Guidelines states the following about fire codes and ABHR as they relate to the 10 gallon limit and touch-free dispensers (refer to the chart).

Clearly, the infection control benefits associated with the use of alcohol hand sanitizers outweigh any theoretical fire risk, and the convenient placement of dispensers is critical for optimizing hand hygiene compliance. By involving all interested parties in the decision-making process, including the hospital's safety officer and the local fire marshal, the fire code regulations can be discussed proactively, leading to the most appropriate placement for the institution.

1 Helms, B. et.al. (2010) Improving hand hygiene compliance: A multidisciplinary approach. American Journal of Infection Control 38(7) 572-574.

2 Hilburn, J. et.al. (2003). Use of alcohol hand sanitizer as an Infection Control strategy in an acute care facility. American Journal of Infection Control 31(2) 109-16.

3 Extracts from the 2011 Annual Revision Cycle Report on Comments, Comments on Proposal No: 101-193a retrieved from: http://www.nfpa.org/catalog/product.asp?title=2012-NFPA-101-Life-Safety-Code&pid=10112&src=catalog&order_src=A696

4 2012 International Fire Code, page 381 http://www.iccsafe.org/Store/Pages/Product.aspx?id=3400X12

THAT'S a FACT!

Every year, globally 3.5 million children under the age of five are killed by pneumonia and diarrhoeal diseases – and the simple action of washing hands with soap is one of the most effective ways of preventing these illnesses.

http://www.infectioncontroltoday.com/news/2011/10/uk-study-contamination-of-mobile-phones-and-hands-revealed.aspx

Product Feature

PREFERRED PRODUCTS TO DRIVE HAND HYGIENE COMPLIANCE

GOJO aims to simplify hand hygiene compliance by delivering preferred products that deliver optimal infection control, improve patient outcomes and drive compliance. This becomes evident when making note of their continuous development of innovative products, specifically hand sanitizers, hand soaps, state-of-the art touch-free dispensing systems and point of care solutions.

Hand Sanitizers

As a company that's dedicated to the science of the skin, GOJO formulated a product that delivers unprecedented germ kill in every ounce. With just 70% ethyl alcohol PURELL® Advanced Instant

Hand Sanitizer meets and exceeds FDA HCPHW with an application of 2mL.[1] These formulations don't just kill 99.99% of germs in the test tube, they kill them on the hands. Just as important, PURELL Advanced Instant Hand Sanitizer formulations are proven to help maintain skin health and skin moisture and improve overall skin feel. In addition, GOJO is advancing in its sustainability leadership by providing hand sanitizers that are green certified.

GOJO aims to simplify hand hygiene compliance

Hand Soaps

Scientifically advanced formulations in the PROVON® line of hand soaps provides the appeal and performance that is necessary to help reduce the spread of infections. The PROVON line has a wide selection of formulation enriched with moisturizers both available in gel and foam. GOJO also has a full line of green certified hand soaps that support community and environment wellness.

Touch-Free Dispensing Systems

GOJO state-of-the art touch-free dispensing systems help drive compliance by eliminating the need for manual dispensing thus removing the healthcare workers' concern about touching contaminated surfaces as they practice good hand hygiene. Some key benefits of these systems include:

1) High capacity refills to reduce the number of changes
2) Reduces contact contamination
3) Fully ADA compliant
4) Dispense PURELL and PROVON foam or gel products
5) Accessories to promote compliance
6) Meets NFPA and IFA requirements

Point of Care

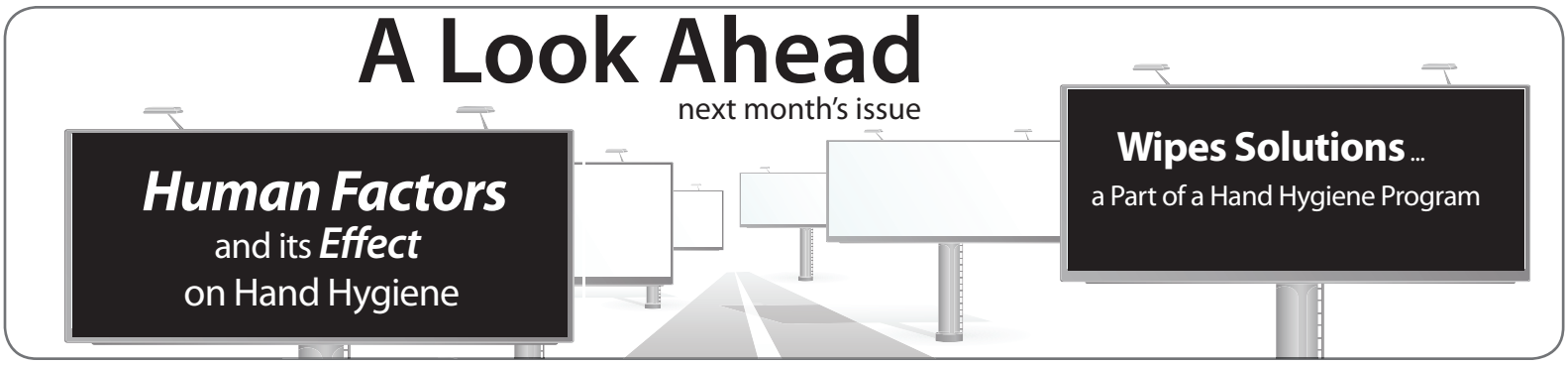
To help healthcare facilities improve accessibility and maximize the availability of hand sanitizing products for healthcare workers at the point of patient care, GOJO has designed a number of flexible hand hygiene dispensing solutions that help improve compliance and support fire code regulations. For areas in a facility that encounter fire code challenges, PURELL VERSAHOLD™ Point of Care Bracket provides hand hygiene products on a variety of fixtures and surfaces to maximize placement and is compatible with the general workflow of healthcare workers.

GOJO hand hygiene solutions are easily accessible and available for healthcare workers, patients and visitors. In order to help control the spread of germs that may cause illness, GOJO hand hygiene solutions are recommended in high traffic areas, patient rooms, nurses stations and restrooms.

1 Healthcare Personnel Handwash Study #110103 101, April 5, 2011, BioScience Laboratories, Bozeman, MT.

A Look Ahead

next month's issue



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