SANITIZING Food Contact Surfaces with SaniDate®

Food Contact Surfaces

Meal tables
High chair tables

Pre-Clean
Remove excess waste or debris with soapy water

Spray the surface with SaniDate®

Leave surface wet for 1 Minute

Wipe dry with a clean paper towel

Personal Protection:

SANITIZANDO Superficies de Contacto de Alimentos con SaniDate®

Superficies para Comida

Mesas para comer
Sillas para comer

Pre-Limpia
Remover comida o deshechos con agua jabonosa

Rociar la superficie con SaniDate®

Dejar la superficie mojada por 1 Minuto

Secar con una toalla limpia de papel

San Francisco Asthma Task Force, December 2012 www.sfgov.org/asthma
Hard Nonporous Surfaces

Diaper changing areas*
Potty chairs/Toilets*
Sinks**, Floors***
Walls/Partitions****
Napping equipment*****

Pre-Clean
Remove excess waste or debris with soapy water

Spray surface with OXIVIR® Tb

Leave surface wet for 1 Minute

Wipe dry with a clean paper towel

**Routine DISINFECTION with Oxivir® Tb**

Pre-Limpieza
Retire exceso de desperdicio con agua jabonosa

Spraying la superficie con OXIVIR® Tb

Dejando la superficie mojada por 1 Minuto

Secando con una toalla limpia de papel

Personal Protection:

Per CA Community Care Licensing Division, Title 22 Regulations, the surfaces specified above are required to be DISINFECTED:

*After each use  **After each use if soiled ***Daily ****Weekly

DISINFECTING MOUTHED TOYS with Oxivir® Tb

Pre-Clean: Immerse toys in soapy water
⇒ Empty water
⇒ Spray toys with Oxivir® Tb & wait 1 Minute
⇒ Flip toys over
⇒ Spray toys with Oxivir® Tb & wait 1 Minute
⇒ Rinse the toys with clean water
⇒ Air dry

Per CA Community Care Licensing Division, Title 22 Regulations (101438.1; 101638.1)
"Objects used by infants that are mouthed shall be washed and disinfected at least daily, or more often if necessary. Such objects shall include, but not be limited to, toys and blankets."

San Francisco Asthma Task Force, January 2013, www.sfgov.org/asthma
### DISINFECTING Body Fluid Spills with Oxivir® Tb*

<table>
<thead>
<tr>
<th>Body Fluid Spills</th>
<th>Pre-Clean</th>
<th>Leave surface wet for 1 Minute (5 Minutes for tuberculosis)</th>
<th>Wipe dry with a clean paper towel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood</td>
<td>Remove excess waste then clean the surface with soapy water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vomit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diarrhea</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tissue Discharge</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For outbreak situations, please refer your county’s communicable disease program.

*Oxivir® Tb is registered with the United States Environmental Protection Agency (USEPA) as effective against norovirus, HIV, Hepatitis B, and Hepatitis C after the surface remains wet with Oxivir® Tb for one minute; and tuberculosis (TB) after the surface remains wet with Oxivir® Tb for five minutes.

### 使用 Oxivir® Tb* 消毒受身體內濺出的液體所污染的物件

<table>
<thead>
<tr>
<th>身體內濺出的液體</th>
<th>先清潔物件的表面</th>
<th>噴OXIVIR® Tb於物件的表面上</th>
<th>使用清潔的紙巾試乾</th>
</tr>
</thead>
<tbody>
<tr>
<td>血</td>
<td>先清除過量從身體內濺出的排泄污垢，然後用肥皂水清潔物件的表面</td>
<td>噴OXIVIR® Tb於物件的表面上</td>
<td>使用清潔的紙巾試乾</td>
</tr>
<tr>
<td>嘔吐物</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>腹瀉</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>組織的排放</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

關於出現疫情爆發，請參考閣下縣或市的傳染性疾病計劃的指引。

*Oxivir® Tb於美國環境保護署註冊為有效抵抗諾沃克、愛滋、及乙和丙型肝炎等病毒（如應用時間為一分鐘）；以及肺結核病毒（如應用時間為五分鐘）。

### DESINFECTANDO Derrames de Fluidos del Cuerpo Con Oxivir® Tb*

<table>
<thead>
<tr>
<th>Fluidos del Cuerpo</th>
<th>Pre-Limpiar</th>
<th>Rociar la superficie con OXIVIR® Tb</th>
<th>Dejar la superficie mojada por 1 Minuto (5 Minutos para tuberculosis)</th>
<th>Secar con una toalla limpia de papel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sangre</td>
<td>Remover el exceso de desechos y luego limpie la superficie con agua jabonosa</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vomito</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diarrea</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deshechos Humanos</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

En la situación de un brote de enfermedades, por favor consulte el programa de enfermedades transmisibles de su condado.

*Oxivir® Tb está registrado con la Agencia de Protección Ambiental de Estados Unidos (USEPA) como eficaz contra el norovirus, HIV, Hepatitis B, y Hepatitis C después de que la superficie se mantenga mojada con Oxivir® Tb por un minuto; y tuberculosis (TB) después de que la superficie se mantenga mojada con Oxivir® Tb por cinco minutos.

Proper Hand Washing Helps Stop the Spread of Infection

Wet hands with warm water

Apply non-antibacterial soap

Scrub backs of hands, wrists, between fingers and under fingernails for at least 20 seconds

Continue to scrub while rinsing with warm water until the soap and soil are washed away

Dry hands with a clean paper towel

Caregivers should wash their hands

Upon arriving at work, and
BEFORE & AFTER
- Handling food
  (Includes eating and feeding children)
- Giving medication
AFTER
- Using the bathroom
- Changing a diaper or assisting in toileting
- Wiping their nose or a child’s nose, sneezing, or coughing; assisting ill children
- Handling animals
- Taking out the garbage
- Contact with body fluids
- Cleaning, sanitizing, and disinfecting
- Removing gloves

OR IF VISIBLY SOILED

Ensure that children wash their hands

Upon arriving at child care, and
BEFORE & AFTER
- Handling food
  (Includes eating)
AFTER
- Using the bathroom or having diapers changed
- Wiping their nose, sneezing, or coughing
- Handling animals
- Being cleaned up after an accident
- Water play or sand play
- Playing outdoors

OR IF VISIBLY SOILED

Developed by the San Francisco Asthma Task Force. [www.sfgov.org/asthma](http://www.sfgov.org/asthma)
BLEACH EXPOSURE IN CHILD CARE

Did you know that bleach can put child care workers at risk for asthma?

Bleach is classified as an “asthmagen” which means that exposure to bleach is known to cause work-related asthma. This includes both newly developed asthma and increased asthma symptoms for those who already have asthma.

Child care workers have reported that spraying bleach frequently throughout the day has caused respiratory distress, allergic reactions, and burns to skin/clothing. Providers often think they can use only bleach to meet California Community Care Licensing Title 22 Regulations for infection control. This is not true—Section 101438.1 (f) states that “Commercial disinfecting solutions, including one-step cleaning/disinfecting solutions, may be used in accordance with label directions.”

Since 2008, the San Francisco Asthma Task Force has been working to identify bleach-free disinfectants and sanitizers that are safer for asthma, and Community Care Licensing has accepted our research and recommendation as meeting their requirements.

Please note that the products shown on this brochure are recommended for use in child care settings only as specified. As USEPA registered products, they should be used according to their instructions.

Websites for resources to eliminate bleach exposure in child care

San Francisco Asthma Task Force
www.sfgov.org/asthma

Regional Asthma Management and Prevention
www.rampasthma.org

Please contact us for information on the following:

- specific products (not limited to products included in this brochure)
- training (San Francisco only) -- includes information on asthma and asthma triggers, infection control, CA Community Care Licensing Title 22 Regulations, best practices, and recommended products
- transitioning to bleach-free sanitizers and disinfectants

San Francisco Asthma Task Force
c/o Children's Environmental Health Promotion
San Francisco Department of Public Health
Environmental Health
Fax: (415) 252-3889

English: Luz Agana
Phone: (415) 252-3958
Email: luz.agana@sfdph.org

Spanish/English: Cynthia Melgoza
Phone: (415) 252-3932
Email: Cynthia.melgoza@sfdph.org

Chinese/English: David Lo
Phone: (415) 252-3929
Email: David.Lo@sfdph.org

Options for Eliminating Bleach in Child Care Settings

January 2013
### RECOMMENDED PRODUCTS

- **Oxivir® Tb**
  - Sold as 946mL (1 US Qt)
  - Use on the following surfaces:
    - Diaper changing tables
    - Sinks
    - Toilets
    - Activity tables
    - Disposable diaper containers
    - Any area where bodily fluid spills occur
  - [Oxivir® Tb is also registered with the United States Environmental Protection Agency (USEPA) as effective against norovirus, HIV, Hepatitis B, Hepatitis C, MRSA, tuberculosis (TB), and other communicable diseases.](#)
  - This disinfectant contains **hydrogen peroxide** and must remain on the surface for one minute.
  - One Qt. bottle of Oxivir® Tb will last approximately two weeks to one month per infant/toddler room.

- **SaniDate® Ready to Spray Hard Surface Sanitizer**
  - Sold as 946mL (1 US Qt)
  - Use on the following surfaces:
    - Snack tables
    - Meal tables
    - High chair tables
  - Use on other surfaces such as:
    - Non-mouthed toys
  - This sanitizer contains **hydrogen peroxide** and must remain on the surface for one minute.
  - One Qt. bottle of SaniDate® will last approximately two weeks to one month per infant/toddler room.

- **Alpha-HP®**
  - Sold as 1.5L for RTD System
  - **Alpha-HP® has two different products:**
    1. **MULTI-SURFACE CLEANER**
       - Use on floors if caring only for children preschool age and older.
       - This product is a cleaner only (i.e., is not registered as a disinfectant with the USEPA) and will not disinfect surfaces soiled with body fluids such as blood, vomit, feces, or tissue discharge.
    2. **MULTI-SURFACE DISINFECTANT CLEANER**
       - Use on floors if caring for infants two years of age and younger.

### HOW TO USE

**Disinfecting with Oxivir® Tb and sanitizing with SaniDate® require a pre-clean step using non-antibacterial (triclosan-free) diluted soap.**

### HOW TO PURCHASE

- **Quill Office Supplies**
  - Order online: [www.quill.com](http://www.quill.com)
  - Order by phone: 1-800-982-3400
  - Case of 12 quart (32 oz.) bottles
    - Item # 901-4277285, **$54 per case**
  - Individual quart bottles
    - Item # 901-4277285EA, **$4.79 per bottle**
    - (Only for orders of four bottles or more)
  - **NOTE:** Two sprayers are included per case; sprayers are not included when purchasing individual bottles.
  - Trigger Sprayer, Item # 901-UNS9229, **$0.99 each**

- **Enviroselects LLC**
  - [www.enviroselects.com](http://www.enviroselects.com)
  - Phone: 1-877-358-1299
  - Email: jason@enviroselects.com
  - Search: “SaniDate RTU”
  - **NOTE:** This is not the same as “SaniDate® 5.0” which contains an ingredient that increases asthma symptoms.
  - Case of 12 quart (32 oz.) bottles, Item # 2018-32, **$90/ case**
  - Case of 4 one gallon refills, Item # 2017-1, **$96/ case**
  - Partial pallet $ 355 (does not include S&H): Includes two cases of 12 quart bottles and three cases of 4 one gallon refills.

- **Waxie Sanitary Supply**
  - [www.waxie.com](http://www.waxie.com)
  - Marklin Alford
    - Office: (925) 454-2900, Ext. 417
    - Cell: (415) 400-6942
    - Email: malford@waxie.com
你是否知道幼兒護理工作者在工作時使用漂白劑可能承受哮喘病的風險？

漂白劑是被列為觸發哮喘病的物質。研究證明工作過程中接觸漂白劑會與哮喘病扯上聯繫，這包括引致從未患哮喘病的人士患上哮喘及使已患哮喘病人士增加病症的出現。

曾有幼兒工作者反映在工作過程中因經常使用或噴漂白劑而引致呼吸不暢順、過敏反應、和皮膚受燒傷。一直以來，為符合加州幼兒保育牌照規條文，幼兒中心認為漂白劑是唯一的選擇。但這是不正確的想法 - 101438.1(f) 闡述「只要按照標籤上的指引，商業性消毒溶液，包括一步式清潔/消毒溶液，是可被接受作消毒劑用。」

自 2008 年起，三藩市哮喘專責組積極提倡使用不含漂白劑成份的潔淨劑和消毒劑是更安全的做法以減少哮喘病的風險。專責組的研究和建議已被加州幼兒保育牌照規條文接納為符合規例的要求。

注意：這小冊子提及的產品只為幼兒中心建議用。作為已在環境保護署註冊的產品，用者應要按照產品的指引使用。

幼兒中心內
暴露於/接觸漂白劑的風險

網頁資源：消除幼兒中心內暴露於/接觸漂白劑的風險

三藩市哮喘專責組

公眾網頁：http://www.sfgov/asthma
減少過份使用漂白劑計劃
區域哮喘管理及預防計劃
www.rampasthma.org

如有以下問題或欲查詢詳細資料，請聯絡我們：

特定產品（不只限於這小冊子內提及的產品）
培訓（只提供給三藩市內的機構）
- 包括：哮喘教育、認識哮喘誘發因子、傳染病控制、加州幼兒保育發牌規條標題 22、最佳實踐方法、及建議使用的產品
或過渡到採納不含漂白劑成份的潔淨劑及消毒劑

三藩市哮喘專責組
聯統兒童環境衛生促進計劃
環境衛生服務
三藩市公共衛生署

中文/英文：盧德偉（David Lo）
電話：(415) 252-3929
電郵：David.Lo@sfdph.org

英文：Luz Agana
電話：(415) 252-3958
電郵：Luz.Agana@sfdph.org

西班牙文/英文：Cynthia Melgoza
電話：(415) 252-3932
電郵：Cynthia.Melgoza@sfdph.org

幼兒中心：
取代漂白劑的可行選擇
推薦的產品

Oxivir® Tb

噴式運作的現成即用潔淨劑，用於堅硬表面

作消毒劑用

使用Oxivir® Tb於下列物品的表面上:
- 尿布更換檯
- 洗澡槽
- 廁所
- 活動檯
- 接放被扔棄的一次性使用尿布的容器
- 任何受身體分泌物濺及的範圍

Oxivir® Tb於美國環境保護署註冊為有效抵抗諾沃克、愛滋、乙和丙型肝炎、抗藥性金黃色葡萄球菌、肺結核等細菌和其它傳染病等病毒。

這現成即用的消毒劑含加速過氧化氫。消毒劑必須停留於物件一分鐘才可以發揮消毒功效。

用於每一嬰兒/幼兒室內的32安士瓶裝Oxivir® Tb的持續使用期是約為兩星期至一個月。

如何使用

作潔淨劑用

使用於與食物接觸的物件表面上，例如:
- 進食小吃的桌子
- 進餐用的桌子
- 進食小吃/餐用的高椅
- 非放入口裡的玩具

這現成即用的潔淨劑含加速過氧化氫。潔淨劑必須停留於物件一分鐘才可以發揮潔淨功效。

用於每一嬰兒/幼兒室內的32安士瓶裝SaniDate®的持續使用期是約為兩星期至一個月。

如 何 購 買

以下是供應商服務三藩市灣區，而可能並不服務其它地區。列出的價格是二零一三年一月時的價格，價格在日後可能會有所變更。

公司：Quill Office Supplies
訂購網址：www.quill.com
訂購電話：1-800-982-3400

(1) 一箱, 內有12瓶（每瓶32安士裝）
項目號碼：901-4277285, $54 一箱
注意：每一箱內包括兩個噴射器；若只買個別瓶裝則不會包括噴射器。

噴射器：項目號碼：901-UNS9229，每個 $0.99

(2) 個別32安士瓶裝
項目號碼：901-4277285EA。
如購買四瓶或以上，每瓶售價是$4.79

公司：Enviroselects LLC
網址：www.enviroselects.com
搜尋：“SaniDate RTU”
注意：這與SaniDate® 5.0不一樣。SaniDate® 5.0含有增加哮喘症狀的成份。

電話：1-877-358-1299
電郵：jason@enviroselects.com

(1) 一箱, 內有12瓶（每瓶32安士裝）
項目號碼：2018-32, 每箱 $90
(2) 一箱（內有四瓶，每瓶是四加侖），的再注補充。
項目號碼：2017-1, 每箱 $96

部份托盤裝，內有兩箱（12瓶），每瓶32安士，的產品，及三箱，每箱內有四瓶（每瓶一加侖），的再注補充。售價是$355（不包括托運手續費）

有關其它選擇，請聯絡經銷商。
EXPOSICIÓN DE CLORO EN CUIDADO DE NIÑOS

¿Sabía usted que el cloro puede poner a los trabajadores de cuidado de niños en riesgo de desarrollar asma?

El cloro se ha clasificado como un "asthagen", lo que significa que se sabe que el cloro causa asma ocupacional. Esto incluye tanto el asma recién desarrollado y el aumento de los síntomas de asma para los que ya tienen asma.

Los operadores de cuidado infantil han reportado que rociar cloro con frecuencia durante todo el día les ha causado problemas respiratorios, reacciones alérgicas, así como quemaduras en la piel y la ropa. Hasta este momento, los operadores de cuidado de niños han pensado que solo tienen esta opción, de usar cloro para cumplir con las regulaciones de la División de Licencias de Cuidado Comunitario del Estado de CA, Ordenamientos de Título 22 para el control de infección. Esto no es cierto la Sección 101438.1 (f) establece que "solución de desinfección comerciales, incluyendo soluciones de una etapa de limpieza / desinfección, se pueden utilizar de acuerdo con instrucciones de la etiqueta."

Desde 2008, el San Francisco Asthma Task Force ha estado trabajando para identificar desinfectantes y sanitizantes sin cloro que sean más seguros para el asma, y la División de Licencias de Cuidado Comunitario ha aceptado nuestra investigación y recomendaciones ya que cumplen con sus requisitos.

Note que los productos mostrados en este folleto se recomiendan para el uso en centros de cuidado infantil sólo como se especifica. Dado que los productos registrados con USEPA, se deben usar de acuerdo a sus instrucciones.

Recursos en el internet para eliminar la exposición de cloro en el cuidado de niños
San Francisco Asthma Task Force
Sito General www.sfgov.org/asthma
Regional Asthma Management and Prevention  www.rampasthma.org

Por favor, póngase en contacto con nosotros si tiene preguntas o para más información referente a:
- productos específicos (no se limita a los productos incluidos en este folleto)
- entrenamiento (San Francisco solamente)
- Incluye información sobre el asma y los desencadenantes de asma, control de infecciones, los reglamentos de CA Community Care Título 22 Licencias, mejores prácticas y productos recomendados.
- transición a sanitizantes y desinfectantes libre de cloro.

San Francisco Asthma Task Force
c/d Promoción de Salud Ambienta de los Niños
Departamento de Salud Pública de San Francisco
Sección Salud Ambiental
Fax: (415) 252-3889

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Email: David.Lo@sfdph.org

Opciones para Eliminar el Cloro de Guarderías Infantil

Enero 2013
**PRODUCTOS RECOMENDADOS**

**Oxivir® Tb**
- Se vende como 946mL (1 US Qt)

**SaniDate®**
- Ready to Spray
- Hard Surface Sanitizer
- Se vende como 946mL (1 US Qt)

**COMO USAR**

**Desinfectante**
Utilizar en las siguientes superficies
- Mesas para cambiar pañales
- Fregaderos
- Inodoros
- Mesas de actividades
- Contenedores de pañales desechables
- Área donde los derrames de fluidos corporales se producen

**Sanitizante – Superficies de contacto con alimentos**
Utilizar en las siguientes superficies que están en contacto con alimentos, tales como
- Mesas para bocadillos y comida
- Para comer
- Sillas para comer

Este desinfectante contiene peróxido de hidrógeno y requiere estar en la superficie por un minuto.
Una botella de un cuarto de Oxivir® Tb durará aproximadamente un mes de acuerdo al uso del salón de bebes y niños pequeños.

Este sanitizante contiene peróxido de hidrógeno y requiere estar en la superficie por un minuto.
Una botella de un cuarto de SaniDate® durará aproximadamente un mes de acuerdo al uso del salón de bebes y niños pequeños.

**COMO COMPRAR**

**Quill Office Supplies**
- Ordenar en línea: [www.quill.com](http://www.quill.com)
- Ordenar por teléfono: 1-800-982-3400
- Caja de 12 botellas de un cuarto (32 oz.)
  - Artículo # 901-4277285, $54 por caja
  - NOTA: Dos rociadores están incluidos por caja; ningún rociador está incluido con la compra de botellas individuales.
  - Rociador, artículo # 901-UNS9229, $0.99 cada uno
- Botellas individuales cuarto
  - Artículo # 901-4277285EA, $4.79 por botella (sólo para pedidos de cuatro botellas o más)

**Enviroselects LLC**
- Busque por: “SaniDate RTU”
- NOTA: Este no es el mismo que “SaniDate ® 5,0” que contiene un ingrediente que aumenta los síntomas del asma.
- Ordenar por teléfono: 1-877-358-1299
- Email: jason@enviroselects.com
- Caja de 12 botellas de un cuarto (32 oz.)
  - Artículo # 2018-32, $90 por caja
- Caja con 4 botellas de un galón para rellenar
  - Artículo # 2017-1, $96 por caja
- Paleta parcial $355 (no incluye el manejo y envió):
  - Incluye dos cajas de 12 botellas de un cuarto y tres cajas de 4 recargas de galón.
  - Contacte su distribuidor para otras opciones.
1. PRODUCT AND COMPANY IDENTIFICATION
Product Name: SaniDate Ready to Use
Product Type: Sanitizer / Deodorizer
Manufacturer: BioSafe Systems LLC
22 Meadow Street
East Hartford, CT 06108
(888) 273-3088
Emergency: CHEMTREC: 800-424-9300 (24 HOURS EVERY DAY)
Creation Date: 2.2011
NOTE: NOT VALID TWO YEARS AFTER CREATION DATE.

2. HAZARDS IDENTIFICATION
*This product contains no substances that, at the given concentration, are considered to be hazardous to health.
Principle routes of exposure:
Eye contact: Skin contact: Inhalation:
Ingestion:
Eye contact: None known
Skin contact: None known
Inhalation: None known
Ingestion: None known

3. COMPOSITION OF / INFORMATION ON INGREDIENTS
Hazardous Components:
Hydrogen peroxide CAS# 7722-84-1

4. FIRST AID MEASURES
If in eyes: Hold eye open and rinse slowly, and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.
If swallowed: No specific first aid measures are required.
If inhaled: No specific first aid measures are required.

5. FIRE-FIGHTING MEASURES
Specific hazards: Not applicable
Fire fighting methods: Dry chemical, water spray, foam, carbon dioxide.
Extinquishing media that must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES
Precautions: Observe hazards outlined in Sections 5 & 8 Keep away materials that are incompatible with this product (section 10)
All receiving equipment should be clean, dry, vented, labeled and made of materials compatible with the product.
Cleanup: Do not return spilled or contaminated material to inventory.
Rinse small amounts to drain, when possible.
Clean the area with water.
Waste Disposal: Refer to section 13.

7. HANDLING AND STORAGE
Never return unused product to the original container.
Keep product away from reactive substances.
Prevent contact with organic materials.
Keep product in original container.
Store in a cool, dry area.
Keep out of direct sunlight and away from heat sources.
Do not allow product to freeze.

8. EXPOSURE CONTROL / PERSONAL PROTECTION
Respiratory: None required
Eyes: None required
Hands: None required
Skin: None required
General: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES
Physical state: Liquid
Appearance: Colorless, aqueous solution
Odor: Characteristic
Density: 8.29
Solubility: Easily soluble
pH: 3.6
Flash point: N/A
VOC: None
Vapor Pressure: N/A

10. STABILITY AND REACTIVITY
Stability: Stable under normal conditions
Materials to avoid: None known

11. TOXICOLOGICAL INFORMATION
Acute Toxicity:
Dermal = LD50 estimated to be > 2,000 mg/kg
Oral = LD50 estimated to be more than 5,000 mg/kg
Chronic Toxicity:
No data available

12. ECOLOGICAL INFORMATION
Toxic to simple cell organisms
Danger to the environment is limited - due to product properties
No bioaccumulation

13. DISPOSAL CONSIDERATIONS
Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If waste cannot be disposed according to label instructions, contact your state agency responsible for the disposal of waste products.
Packaging Treatment: Rinse empty containers with clean water and treat the effluent the same as waste. Clean and empty containers are to be recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION
SaniDate Ready to Use is not considered to be hazardous shipping material.

15. REGULATORY INFORMATION
US Regulations
TSCA Inventory 8(b): Yes
SARA Title III Sec 302/303 Extremely Hazardous Substances (40 CFR 355): No
SARA Title III Sec. 311/312 (40 CFR 370): No

16. OTHER INFORMATION
To the extent of our knowledge, the information herein is accurate as of the date of this document. However, neither BioSafe Systems nor any of its affiliates make any warranty, expressed or implied, or accept any liability in connection with the information or its use. The information is for use by technically skilled persons at their own discretion and risk. This is not a license or a patent. The user alone must finally determine suitability of any information or material for any contemplated use, the manner or use and whether any patents are infringed.

For additional information on SaniDate Ready to Use, call us toll-free at 1 888 273 3088 ©2011 Copyright BioSafe Systems LLC. SaniDate® is a registered trademark of BioSafe Systems LLC. Always read and follow label directions. 2.2011
MATERIAL SAFETY DATA SHEET

Oxivir Tb

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Oxivir Tb
MSDS #: MS0200014
Product Code: 4277285, 4277293
Recommended use: Disinfectant / Deodorizer / Sanitizer.

Manufacturer, importer, supplier:
US Headquarters: JohnsonDiversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-1964
Phone: 1-888-352-2249
MSDS Internet Address: www.johnsondiversey.com
Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Principle routes of exposure: Eye contact. Skin contact. Inhalation. Ingestion.
Eye contact: None known.
Skin contact: None known.
Inhalation: None known.
Ingestion: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>LD50 Oral - Rat (mg/kg)</th>
<th>LD50 Dermal - Rabbit</th>
<th>LC50 Inhalation - Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>0.1 - 1.5%</td>
<td>801</td>
<td>=2000 mg/kg</td>
<td>2 mg/L (4 h)</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye contact: Rinse with plenty of water.
Skin contact: Rinse with plenty of water.
Inhalation: No specific first aid measures are required.
Ingestion: No specific first aid measures are required.
Aggravated Medical Conditions: None known.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.
Specific hazards: Not applicable
Unusual hazards: None known
Specific methods: No special methods required
Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Not applicable.
6. ACCIDENTAL RELEASE MEASURES

Environmental precautions and clean-up methods: Use appropriate containment to avoid environmental contamination. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:
Handle in accordance with good industrial hygiene and safety practice. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:
Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:
No special ventilation requirements.

Personal Protective Equipment

Eye protection: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions
Skin and body protection: No special requirements under normal use conditions
Respiratory protection: No special requirements under normal use conditions
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>1 ppm (TWA)</td>
<td>1 ppm (TWA)</td>
<td>2 ppm (STEL)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.4 mg/m³ (TWA)</td>
<td>3 mg/m³ (STEL)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1.5 mg/m³ (TWA)</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
pH: 3
Appearance: Aqueous solution
Color: Colorless
Odor: Characteristic
Specific gravity: 1.01
Density: 8.42 lbs/gal
VOC: 0.0% *
Flash point: 200°F 93.3°C
Solubility: Completely Soluble
Viscosity: No information available

Bulk density: No information available
Dilution pH: No information available.
Vapor density: No information available
Evaporation Rate: No information available
Boiling point/range: Not determined
Melting point/range: Not determined
Decomposition temperature: Not determined
Autoignition temperature: No information available
Partition coefficient (n-octanol/water): No information available
Solubility in other solvents: No information available
Elemental Phosphorus: 0.12% by wt.

Explosion limits: - lower: Not determined- upper: Not determined

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability: The product is stable
Polymerization: Hazardous polymerization does not occur
Hazardous decomposition products: None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral, Dermal LD50 estimated to be greater than 5000 mg/kg.
Component Information: See Section 3
Chronic toxicity: None known

Specific effects

Carcinogenic effects: None known
Mutagenic effects: None known
Reproductive toxicity: None known
Target organ effects: None known

12. ECOLOGICAL INFORMATION

Hazardous ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>3</td>
<td>230</td>
<td>1</td>
</tr>
</tbody>
</table>

Oxivir Tb
12. ECOLOGICAL INFORMATION

Environmental Information: No data available

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal

Waste from residues / unused products:
PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes.

Pesticide Storage:
Store in original container in areas inaccessible to children. Open dumping is prohibited. Do not reuse empty container

Pesticide Disposal:
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law

Container Disposal:
Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities burn. If burned, stay out of smoke

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories
All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (DSL), Philippines (PICCS), New Zealand (NZIoC), Canada (DSL), Canada (NDSL), China (IECSC), TSCA 12B.

U.S. Regulations
EPA Reg. No.: 70627-56
California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

CERCLA/ SARA

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>CERCLA/SARA RQ (lbs)</th>
<th>Section 302 TPQ (lbs)</th>
<th>Section 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>0.1 - 1.5%</td>
<td></td>
<td>1000</td>
<td></td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories

Immediate: N
Delayed: N
Fire: N
Reactivity: N
Sudden Release of Pressure: N

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.
1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Alpha HP Multi-Surface Cleaner (1:64 Use Dilution)

MSDS #: MS0300392D
Product Code: MS0300392D
Recommended use: Acid Cleaner. This product is intended to be used neat.

Manufacturer, importer, supplier:
US Headquarters
JohnsonDiversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-1964
Phone: 1-888-352-2249
MSDS Internet Address: www.johnsondiversey.com
Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
The product contains no substances which at their given concentration, are considered to be hazardous to health.

Principle routes of exposure: Eye contact, Skin contact, Inhalation, Ingestion.
Eye contact: None known.
Skin contact: None known.
Inhalation: None known.
Ingestion: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components None

4. FIRST AID MEASURES

Eye contact: Rinse with plenty of water.
Skin contact: Rinse with plenty of water.
Inhalation: No specific first aid measures are required.
Ingestion: No specific first aid measures are required.
Aggravated Medical Conditions: None known.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
Specific hazards: Decomposition releases oxygen, which may intensify fire.
Unusual hazards: None known
Specific methods: No special methods required

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Not applicable.
Environmental precautions and clean-up methods: Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE
7. HANDLING AND STORAGE

Handling:
Handle in accordance with good industrial hygiene and safety practice. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:
Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:
No special ventilation requirements.

Personal Protective Equipment

<table>
<thead>
<tr>
<th>Protection</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye protection</td>
<td>No special requirements under normal use conditions.</td>
</tr>
<tr>
<td>Hand protection</td>
<td>No special requirements under normal use conditions</td>
</tr>
<tr>
<td>Skin protection</td>
<td>No special requirements under normal use conditions</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>No special requirements under normal use conditions.</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Handle in accordance with good industrial hygiene and safety practice.</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>2.5</td>
</tr>
<tr>
<td>Appearance</td>
<td>Aqueous solution</td>
</tr>
<tr>
<td>Color</td>
<td>Clear Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Citrus</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>No information available</td>
</tr>
<tr>
<td>Density</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC</td>
<td>0.12% *</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;200°F &gt;93.4°C</td>
</tr>
<tr>
<td>Solubility</td>
<td>Completely Soluble</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Explosion limits:
- lower: Not determined
- upper: Not determined

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability: The product is stable
Polymerization: Hazardous polymerization does not occur
Hazardous decomposition products: Oxygen.
Materials to avoid: Ammonia. Bases. Do not mix with chlorinated products.
Conditions to avoid: Do not freeze. Do not mix with any other product or chemical.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral LD50 estimated to be greater than 5000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg.
Component Information: See Section 3
Chronic toxicity: None known

Specific effects
- Carcinogenic effects: None known
- Mutagenic effects: None known
- Reproductive toxicity: None known
- Target organ effects: None known

12. ECOLOGICAL INFORMATION

Environmental Information: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Dispose of according to all federal, state and local applicable regulations

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information
15. REGULATORY INFORMATION

International Inventories
All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

U.S. Regulations
California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>MARTK:</th>
<th>NJRTK:</th>
<th>PARTK:</th>
<th>RIRTK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

CERCLA/ SARA
SARA 311/312 Hazard Categories
- Immediate:
- Delayed:
- Fire:
- Reactivity:
- Sudden Release of Pressure:

Canada
WHMIS Hazard class: Non-controlled.

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRA
Additional advice: Contains an added fragrance, see "Odor" heading in section 9 for specific description. When used through dispensing/autodose equipment, this product meets Green Seal's requirements for skin and eye irritation and acute toxicity at the as-used dilution.

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