

## SANITIZING Food Contact Surfaces with SaniDate®



## 使用SaniDate® 來潔淨與食物接觸的物件表面



## SANITIZANDO Superficies de Contacto de Alimentos con SaniDate®



## Routine DISINFECTION with Oxivir® Tb

### 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

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

Personal Protection:



## 使用 Oxivir® Tb 進行日常消毒

### 堅硬、無孔的表面



尿布更換範圍\*  
便盆椅子/廁所\*  
洗滌/洗臉槽\*\*、地板\*\*\*  
牆壁/隔板\*\*\*\*  
午睡的設備\*\*\*\*



先清潔物件的表面  
使用 OXIVIR® Tb 前，先使用肥皂水清除過量的污垢



噴 OXIVIR® Tb 於物件的表面上

讓 OXIVIR® Tb 停留於物件的表面上 一分鐘

使用清潔的紙巾拭乾

按照加州兒童保育牌照部第 22 章規例，必須在物件的表面上進行消毒

\*每次使用後 \*\*每次使用後，如物件有被弄髒 \*\*\*每天 \*\*\*\*每週

個人保護:



## La Rutina de DESINFECCIÓN Usando Oxivir® Tb

### Superficies Duras No Porosas



Mesa para cambiar pañales\*  
Inodoros\*  
Fregaderos\*\*, Pisos\*\*\*  
Paredes/Particiones\*\*\*\*  
Cunas/Camas de dormir\*\*\*\*



Pre-Limpiar  
Remover comida o desechos con agua jabonosa



Rociar la superficie con OXIVIR® Tb

Dejar la superficie mojada por 1 Minuto

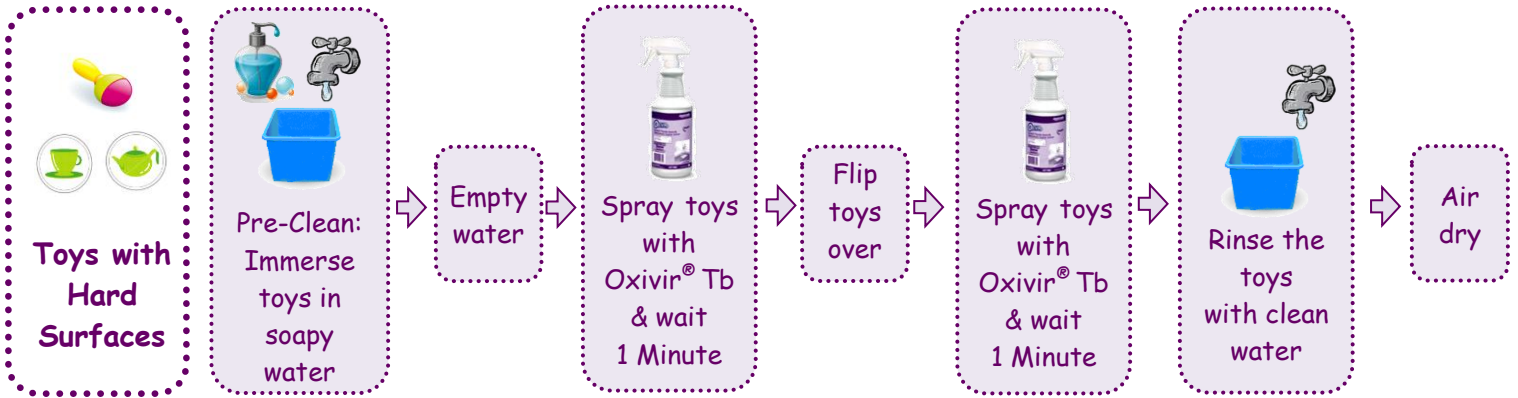
Secar con una toalla limpia de papel

De acuerdo con la División de Licencias de Cuidado Comunitario del Estado de CA, Ordenamientos de Título 22, las siguientes superficies requieren ser DESINFECTADAS: \*Después de cada uso \*\*Después de cada uso si se ensucia/mancha \*\*\*Diariamente \*\*\*\*Semanalmente

Protección Personal:



## DISINFECTING MOUTHED TOYS with Oxivir® Tb



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."

Personal Protection



## 使用 OXIVIR® Tb 來消毒可能被孩子放進口內的玩具



按照加州兒童保育牌照部第 22 章規例 (101438.1; 101638.1)

"幼兒使用而有可能被放進口內的物品，必須每天最少洗滌及消毒一次。如有需要，則應更頻密。這些物品包括但並不局限於玩具及被毯。"

個人保護：



## DESINFECTANDO JUGETES QUE SE LLEVAN A LA BOCA con Oxivir® Tb



De acuerdo con la División de Licencias de Cuidado Comunitario del Estado de CA, Ordenamientos de Título 22 (101438.1; 101638.1)

"Objetos que son llevados a la boca por infantes deberían lavarse y desinfectarse por lo menos una vez diariamente, o más si es necesario. Los objetos incluyen pero no limitan a juguetes y sábanas."

Protección Personal:



## DISINFECTING Body Fluid Spills with Oxivir® Tb\*



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.

Personal Protection:



## 使用 Oxivir® Tb\* 消毒受身體內濺出的液體所污染的物件



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）。

個人保護:



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



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

\*Oxivir® Tb esta 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.

Protección Personal:





## California Community Care Licensing Title 22 Regulations

Requirement	Surface (Regulation section)	How Often
<b>DISINFECT</b> Hard Nonporous Non-Food Contact Surfaces	Infant/Toddler Classrooms: ✓ Diaper Changing Areas * (101428) ✓ Potty Training Chairs * (101428) ✓ Napping Equipment ****/** (101239.1, 101439.1)	* After each use ** After each use if soiled *** Daily **** Weekly
	Infant/Toddler/Classrooms with Mildly Ill Children: ✓ Sinks ** (101438.1, 101638.1) ✓ Floors ***/** (101438.1, 101638.1) ✓ Walls/Partitions ****/** (101438.1, 101638.1) ✓ Mouthed Objects (Including Toys) *** (101438.1, 101638.1)	
<b>SANITIZE</b> Food Contact Surfaces	All Classrooms: ✓ Dishes/Utensils, Cups * (101227) ✓ High Chair Tables <sup>€</sup> ✓ Snack/Meal Tables <sup>€</sup>	* After each use *** Daily  Recommendation for Surfaces to <b>SANITIZE</b> € After each use
<b>SANITIZE</b> Non-Food Contact Surfaces	Infant/Toddler Classrooms: ✓ Disposable Diaper Containers *** (101428, 101628)	

*Developed by the San Francisco Asthma Task Force, derived from California Community Care Licensing Division, Title 22 Regulations.*

**NOTE:** The Task Force recommends sanitizing snack, meal and high chair tables before and after each use.

### Where to Use Bleach-Free Oxivir® TB as a Disinfectant and SaniDate® as a Sanitizer

Disinfectant and Sanitizer	Area of Use	
 Oxivir® TB	<b>Ready-to-Use DISINFECTANT (Not for use on food-contact surfaces)</b>	
	Diaper Changing Areas Potty Chairs/Toilets Infant Play Mats Sinks Floors	Mouthed Toys* Walls/Partitions Cots/Cribs Diaper Bins Any surface where accidents occur involving body fluids (Blood, vomit, diarrhea, tissue discharge)
 SaniDate®	<b>Ready-to-Use SANITIZER (Not for use as a disinfectant)</b>	
	Meal/Snack Tables High Chair Tables	Non-Mouthed Toys
* Mouthed toys require a thorough rinse with clean water following disinfecting with Oxivir® Tb.		

**Sanitizing and disinfecting are almost always a two step process.**

#### **Proper process for using Oxivir® TB to disinfect or SaniDate® to sanitize:**

- 1) **Pre-Clean:** Use non-antibacterial (triclosan-free) soap/water solution on the surface to remove debris from meals/activities.
- 2) **Disinfect/Sanitize:** Ensure that the children are in another area, and then spray Oxivir® TB or SaniDate® on the pre-cleaned surface. Leave the surface wet with **Oxivir® Tb or SaniDate® for 1 Minute.**
- 3) Wipe the surface dry (if children are re-entering the area); or rinse with a wet paper towel; or air dry (only if children are not re-entering the area).



## 幼兒保育牌照的規例

教室	表面 ( 監管法規 )	多久進行一次
消毒 堅硬、無孔、 非與食物接觸的表面	<b>嬰兒/學步幼兒的教室:</b> ✓ 尿布更換範圍 * (101428) ✓ 如廁/便盆訓練的椅子 * (101428) ✓ 午睡設備 ****/** (101239.1, 101439.1)	* 每次使用後 **每次使用於污 垢的 物件 *** 每天 **** 每週
	<b>嬰兒/學步幼兒並有患輕病兒童的教室:</b> ✓ 洗滌/洗臉槽 ** (101438.1, 101638.1) ✓ 地板 ***/** (101438.1, 101638.1) ✓ 牆壁/隔板 ****/** (101438.1, 101638.1) ✓ 會被放進口內的物件 ( 包括玩具 ) *** (101438.1, 101638.1)	
潔淨 與食物接觸的表面	<b>所有教室:</b> ✓ 碟、盆/食具、杯 * (101227)	* 每次使用後
潔淨 非與食物接觸的表面	<b>嬰兒/學步幼兒的教室:</b> ✓ 用作裝放一次性尿布的箱子 *** (101428, 101628)	*** 每天

三藩市哮喘專責組編印，資料取自加州公共衛生署幼兒保育牌照部 1998 年 11 月牌照規例手冊。規例於 1998 年 11 月 1 日生效

注意：三藩市哮喘專責組建議每次使用小吃/餐桌和高椅子/桌子後，需要潔淨這些物件。

### 不含漂白劑的潔淨劑和消毒劑

潔淨劑和消毒劑	使用的範圍	
 Oxivir® TB	即可使用的消毒劑	
	尿布更換範圍 如廁/便盆訓練的椅子 嬰兒遊玩墊 洗滌/洗臉槽 地板 被放入口內的玩具*	牆壁/隔板 午睡設備 用作裝放一次性尿布的箱子 受身體內濺出的分泌物所污染的物件 ( 血、嘔吐物、腹瀉、 人體組織的排放 )
 SaniDate®	潔淨劑	
	小吃/餐桌 高椅	不會被放口進內的玩具

\* 被放入口內的玩具在被 Oxivir® TB 消毒後必須使用清水徹底沖洗。

#### 進行潔淨或消毒的過程



- 1) 如有需要，按照產品的指示，稀釋潔淨劑/消毒劑。使用個人保護裝備: 手套 ( 推薦使用 )、和護目鏡。
- 2) 使用不含三氯生肥皂液 ( 極力建議不使用抗菌的肥皂 )，清除過量的污垢及灰塵。
- 3) 噴射潔淨劑或消毒劑於物件的表面上，按照標籤的指示，讓表面保持起碼的濕潤時間 ( 注意:如果未能保持起碼的接觸時間，潔淨劑和消毒劑不能發揮其效用。 )

**La División de Licencias de Cuidado Comunitario del Estado de CA, Ordenamientos de Título 22**

Requisitos	Superficie (Reglas del código)	Frecuencia
<b>DESINFECTAR</b> Superficies duras, no porosas, sin contacto con comida	<b>Aulas de infantiles y niños pequeños</b> <ul style="list-style-type: none"> <li>➤ Área para cambiar pañales * (101428)</li> <li>➤ Inodoros y sillas de entrenamiento * (101428)</li> <li>➤ Equipo para dormir **** (101239.1, 101439.1)</li> </ul>	* Después de cada uso ** Después de cada uso si se ensucia *** Diario **** Semanal
	<b>Aulas de infantiles y niños pequeños con niños levemente enfermos</b> <ul style="list-style-type: none"> <li>➤ Fregadero ** (101438.1, 101638.1)</li> <li>➤ Pisos *** (101438.1, 101638.1)</li> <li>➤ Paredes/Particiones **** (101438.1, 101638.1)</li> <li>➤ Objetos que se meten a la boca (Incluyendo juguetes) *** (101438.1, 101638.1)</li> </ul>	
<b>SANITIZAR</b> Superficies de contacto con comida	<b>Todas las aulas</b> <ul style="list-style-type: none"> <li>➤ Mesas para comer (Recomendable *)</li> <li>➤ Sillas para comer (Recomendable *)</li> <li>➤ Platos/Utensilios/Vasos * (101227)</li> </ul>	* Después de cada uso *** Diario
<b>SANITIZAR</b> Superficies sin contacto con comida	<b>Aulas de infantiles y niños pequeños</b> <ul style="list-style-type: none"> <li>➤ Contenedores para pañales *** (101428, 101628)</li> </ul>	

Desarrollado por el San Francisco Asthma Task Force. Referencia: California Community Care Licensing Division Title 22 Regulations

**Qué Áreas Utilizar Cloro Libre Oxivir® TB como Desinfectante y SaniDate® como Sanitizando**

Desinfectar y Sanitizar	Área	
 Oxivir® TB	<b>Prêt-à-Utilice un Desinfectante</b> <b>(No esta registrado para usar en superficies para alimentos)</b>	
	Área para cambiar pañales Inodoros y sillas de entrenamiento Fregadero Pisos Esteras Bebé y el Juego	Objetos que se meten a la boca (Incluyendo juguetes)* Paredes/Particiones Equipo para dormir Contenedores para pañales De accidentes (Fluidos del cuerpo: sangre, vómitos, diarrea, descarga de tejido)
 SaniDate®	<b>Prêt-à-Utilice un Sanitizando</b> <b>(No esta registrado para usar como desinfectante)</b>	
	Mesas para comer Sillas para comer	No con la boca los juguetes
* Enjuague los juguetes con agua limpia después de la desinfectando con Oxivir® TB.		

**Proceso Correcto para Desinfectar con Oxivir® TB o Sanitizar con SaniDate®:**

- 1) **Pre-Limpiar:** Use un jabón que no es antibacterial (triclosán gratuita), remover suciedad y polvo en exceso.
- 2) **Desinfectar/ Sanitizar:** Asegurar que los niños se encuentran en otra área, y luego rociar Oxivir® TB /SaniDate® en la pre-limpieza de la superficie. Dejar por el mínimo **1 minuto** de tiempo de contacto.
- 3) Secar la superficie (si los niños se vuelven a entrar en la zona); o enjuague con una toalla de papel húmedo; o aire seco (sólo si los niños no se vuelven a entrar en la zona).

## 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](http://www.sfgov.org/asthma)

Regional Asthma Management and  
Prevention  
[www.rampasthma.org](http://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](mailto:luz.agana@sfdph.org)

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

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

## Options for Eliminating Bleach in Child Care Settings



July 2013



## RECOMMENDED PRODUCTS

### Oxivir® Tb



Sold as 946mL (1 US Qt)

### SaniDate® Ready to Spray Hard Surface Sanitizer



Sold as 946mL (1 US Qt)

### Alpha-HP®



Sold as 1.5L for RTD System

## HOW TO USE

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

### DISINFECTANT

Use on the following surfaces

- Diaper changing tables
- Sinks
- Toilets/ potty training chairs
- 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.

### FOOD CONTACT SANITIZER

Use on the following food contact 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® 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 PURCHASE

The vendors listed serve the San Francisco Bay Area, and may not apply to all locations. Prices listed are from January 2013 and may be subject to change.

### 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

**NOTE:** Two sprayers are included per case.  
Trigger Sprayer, Item # 901-UNS9229, \$0.99 each

### Enviroselects LLC

[www.enviroselects.com](http://www.enviroselects.com)

Order online: [info@enviroselects.com](mailto:info@enviroselects.com)

Order by phone: 1-877-358-1299

Case of 12 quart (32 oz.) bottles  
Item #DRK4277425, \$60 per case

### Enviroselects LLC

[www.enviroselects.com](http://www.enviroselects.com)

Order online: [info@enviroselects.com](mailto:info@enviroselects.com)

Order by phone: 1-877-358-1299

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](mailto:malford@waxie.com)

## 幼兒中心內暴露於/接觸 漂白劑的風險



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。研究証實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從而引致呼吸不暢順、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標題 22 有關傳染病的控制，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組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。

## 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

[www.sfgov/asthma](http://www.sfgov/asthma)

區域哮喘管理及預防計劃

[www.rampasthma.org](http://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

聯絡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](mailto:David.Lo@sfdph.org)

英文：Luz Agana

電話：(415) 252-3958

電郵：[luz.agana@sfdph.org](mailto:luz.agana@sfdph.org)

西班牙文/英文：Cynthia Melgoza

電話：(415) 252-3932

電郵：[Cynthia.Melgoza@sfdph.org](mailto:Cynthia.Melgoza@sfdph.org)

## 幼兒中心： 取代漂白劑的 可行選擇



SAN FRANCISCO

Asthma Task Force

三藩市

哮喘專責組



2013 年 1 月

## 推薦的產品

### Oxivir® Tb



946 毫升 (32 安士)  
瓶裝出售

### SaniDate®

噴式運作的現成即用  
潔淨劑，用於堅硬表面



946 毫升 (32 安士)  
瓶裝出售

### Alpha-HP®



已備可用的一公升裝出售

## 如何使用

使用 Oxivir® Tb 及 SaniDate® 分別作消毒和潔淨用途前必須先使用非抗菌 (不含三氯生) 稀釋的肥皂液清潔物件。

### 作消毒劑用

使用這產品於下列物品的表面上：

- 尿布更換檯
  - 洗滌槽
  - 廁所
  - 活動檯
  - 接放被扔棄的一次性使用尿布的容器
  - 任何受身體排出的液體 (分泌物) 濺及的範圍
- 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、及其它傳染病等病毒。

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。

### 作潔淨劑用於與食物接觸的表面

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
- 使用於其它的表面，例如：
- 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。

### Alpha-HP® 有兩種不同產品

#### 1) 多表面清潔劑

只使用於學前班及幼兒中心的地面。

這產品只作清潔劑用 (它並沒有向美國環境保護署註冊為消毒劑用)，並不能夠消毒受身體排出的液體 (例如，血、嘔吐、糞便、或組織排放) 所弄污的表面。

#### 2) 多表面消毒清潔劑

只使用於照顧兩歲或以下嬰兒中心的地面。

## 如何購買

以下列舉的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售價；價格在日後可能會有所變更。

公司：Quill Office Supplies

網上訂購：[www.quill.com](http://www.quill.com) 訂購電話：1-800-982-3400

一箱，內有 12 瓶 (每瓶 32 安士裝)

項目號碼：901-4277285。售價每箱 \$54。

注意：每一箱內包括兩個噴射器

噴射器：項目號碼：901-UNS9229。售價每個 \$0.99。

Enviroselects LLC

[www.enviroselects.com](http://www.enviroselects.com)

網上訂購：[info@enviroselects.com](mailto:info@enviroselects.com)

電話訂購：1-877-358-1299

一箱，內有 12 瓶 (每瓶 32 安士裝)。

項目號碼：DRK4277425。售價每箱 \$60。

Enviroselects LLC

[www.enviroselects.com](http://www.enviroselects.com)

網上訂購：[info@enviroselects.com](mailto:info@enviroselects.com)

電話訂購：1-877-358-1299

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。

(1) 一箱，內有 12 瓶 (每瓶 32 安士裝)

項目號碼：2018-32。售價每箱 \$90。

(2) 一箱 (內有四瓶，每瓶四加侖，的再注補充。)

項目號碼：2017-1。售價每箱 \$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 \$355 (不包括托運手續費)。

Waxie Sanitary Supply

[www.waxie.com](http://www.waxie.com)

Marklin Alford

電話：(925) 454-2900, Ext. 417

手機號碼：(415) 400-6942

電郵：[malford@waxie.com](mailto:malford@waxie.com)

## 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 "asthmagén", 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. Los operadores de cuidado de niños han pensado que solo pueden 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 una "solución de desinfección comercial, incluyendo soluciones de una etapa de limpieza / desinfección, se pueden utilizar de acuerdo con las instrucciones de la etiqueta."

Desde el 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.

Por favor note que los productos mostrados en este folleto se recomiendan para el uso en centros de cuidado infantil sólo como se especifica. Los productos registrados con USEPA, deben usarse 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

[www.sfgov.org/asthma](http://www.sfgov.org/asthma)

Regional Asthma Management and Prevention

[www.rampasthma.org](http://www.rampasthma.org)



Por favor, póngase en contacto con nosotros 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 del Título 22 del estado de CA, mejores prácticas y productos recomendados.
- transición a sanitizantes y desinfectantes libre de cloro.

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

**Español / Inglés: Cynthia Melgoza**

Teléfono: (415) 252-3932

Email: [Cynthia.Melgoza@sfdph.org](mailto:Cynthia.Melgoza@sfdph.org)

**Inglés: Luz Agana**

Teléfono: (415) 252-3958

Email: [Luz.Agana@sfdph.org](mailto:Luz.Agana@sfdph.org)

**Chino/ Inglés: David Lo**

Teléfono: (415) 252-3929

Email: [David.Lo@sfdph.org](mailto:David.Lo@sfdph.org)

## Opciones para Eliminar el Cloro de Guarderías Infantil



Julio 2013

## PRODUCTOS RECOMENDADOS

### Oxivir® Tb



Se vende como 946mL (1 US Qt)

### SaniDate® Ready to Use Hard Surface Sanitizer



Se vende como 946mL (1 US Qt)

### Alpha-HP®



Se vende como 1.5L por RTD System

## COMO USAR

Desinfectar con Oxivir® Tb y sanitizar con SaniDate® requiere de pre-limpiar usando jabón que no sea antibacterial (sin triclosan).

### DESINFECTANTE

Utilizar en las siguientes superficies

- Mesas para cambiar pañales
- Fregaderos
- Inodoros/ Bacinillas
- Mesas de actividades
- Contenedores de pañales desechables
- Áreas donde los derrames de fluidos corporales se ocurren

[Oxivir® Tb está registrado con la Agencia de Protección Ambiental de Estados Unidos (USEPA) como eficaz contra el norovirus, HIV, Hepatitis B, Hepatitis C, MRSA, la tuberculosis (TB) y otras enfermedades transmisibles].

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 bebés y niños pequeños.

### SANITIZADOR— SUPERFICIES DE CONTACTO CON ALIMENTOS

Utilizar en las siguientes superficies que están en contacto con alimentos, tales como

- Mesas para bocado y comida
- Sillas para comer

Utilizar en otras superficies tales como

- Los juguetes que no se ponen en la boca

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 bebés y niños pequeños.

### Alpha-HP® dos productos diferentes:

#### 1) MULTI-SURFACE CLEANER

Usar en pisos si cuida a niños de edad preescolar y mayores solamente.

Este producto es sólo un limpiador (es decir, no está registrado como un desinfectante con la USEPA) y no desinfecta superficies sucias con fluidos corporales tales como sangre, vómito, excremento, o descargas de tejidos.

#### 2) MULTI-SURFACE DISINFECTANT CLEANER

Usar en pisos si cuida a niños menores de dos años.

## COMO COMPRAR

Los vendedores en esta lista sirven al área de la bahía de San Francisco, y pueda que no aplique en todos los lugares. Los precios indicados corresponden a enero del 2013 y pueden estar sujetos a cambios.

### 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.

Rociador, artículo # 901-UNS9229, \$0.99 cada uno

### Enviroselects LLC

[www.enviroselects.com](http://www.enviroselects.com)

Ordenar en línea: [info@enviroselects.com](mailto:info@enviroselects.com)

Ordenar por teléfono: 1-877-358-1299

Caja de 12 botellas de un cuarto (32 oz.)

Artículo # #DRK4277425, \$60 por caja

### Enviroselects LLC

[www.enviroselects.com](http://www.enviroselects.com)

Ordenar por teléfono: 1-877-358-1299

Email: [info@enviroselects.com](mailto:info@enviroselects.com)

Busque por: "SaniDate RTU"

**NOTA:** Este no es el mismo que "SaniDate® 5,0" que contiene un ingrediente que aumenta los síntomas del asma.

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 envío): Incluye dos cajas de 12 botellas de un cuarto y tres cajas de 4 recargas de galón.

### Waxie Sanitary Supply

[www.waxie.com](http://www.waxie.com)

### Marklin Alford

Oficina: (925) 454-2900, Ext. 417

Cell: (415) 400-6942

Email: [malford@waxie.com](mailto:malford@waxie.com)

# SaniDate®

READY TO USE

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SaniDate Ready to Use  
U.S. EPA #70299-9  
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.

**Extinguishing 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 con-

tainers 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.

**BioSafe Systems** L.L.C.

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

HMIS		NFPA	Personal protective equipment
Health	0	0	None / Aucune / Ninguno
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 2

Preparation date: 2008-12-05

### 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.johnsondiverse.com

Canadian Headquarters  
 JohnsonDiversey - Canada, Inc.  
 2401 Bristol Circle  
 Oakville, Ontario L6H 6P1  
 Phone: 1-800-668-3131

**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 ingredients

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Hydrogen peroxide	7722-84-1	0.1 - 1.5%	801	≈2000 mg/kg	2 mg/L (4 h)

### 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.

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Hydrogen peroxide	7722-84-1	1 ppm (TWA)	1 ppm (TWA) 1.4 mg/m <sup>3</sup> (TWA)	2 ppm (STEL) 3 mg/m <sup>3</sup> (STEL) 1.5 mg/m <sup>3</sup> (TWA) 1 ppm (TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Bulk density:</b>	No information available
<b>pH:</b>	3	<b>Dilution pH:</b>	No information available.
<b>Appearance:</b>	Aqueous solution	<b>Vapor density:</b>	No information available
<b>Color:</b>	Colorless	<b>Evaporation Rate</b>	No information available
<b>Odor:</b>	Characteristic	<b>Boiling point/range:</b>	Not determined
<b>Specific gravity:</b>	1.01	<b>Melting point/range:</b>	Not determined
<b>Density:</b>	8.42 lbs/gal	<b>Decomposition temperature:</b>	Not determined
<b>VOC:</b>	0.0% *	<b>Autoignition temperature:</b>	No information available
<b>Flash point:</b>	200°F 93.3°C	<b>Partition coefficient (n-octanol/water):</b>	No information available
<b>Solubility:</b>	Completely Soluble	<b>Solubility in other solvents:</b>	No information available
<b>Viscosity:</b>	No information available	<b>Elemental Phosphorus:</b>	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

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

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	Oral, Dermal LD50 estimated to be greater than 5000 mg/kg.
<b>Component Information:</b>	See Section 3
<b>Chronic toxicity:</b>	None known
<b>Specific effects</b>	
<b>Carcinogenic effects:</b>	None known
<b>Mutagenic effects:</b>	None known
<b>Reproductive toxicity:</b>	None known
<b>Target organ effects:</b>	None known

### Hazardous ingredients

Ingredient(s)	CAS #	NTP	IARC	OSHA
Hydrogen peroxide	7722-84-1		3	

## 12. ECOLOGICAL INFORMATION



## 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 (ECL), 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

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Hydrogen peroxide	7722-84-1	0.1 - 1.5%		1000	

### 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.*



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

HMIS		NFPA	Personal protective equipment
Health	0	0	None / Aucune / Ninguno
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 2

Preparation date: 2009-06-22

**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.johnsondiverse.com  
 Canadian Headquarters: JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1  
 Phone: 1-800-668-3131

**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

#### 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Bulk density:</b>	No information available
<b>pH:</b>	2.5	<b>Dilution pH:</b>	No information available.
<b>Appearance:</b>	Aqueous solution	<b>Vapor density:</b>	No information available
<b>Color:</b>	Clear Clear	<b>Evaporation Rate</b>	No information available
<b>Odor:</b>	Citrus	<b>Boiling point/range:</b>	Not determined
<b>Specific gravity:</b>	No information available	<b>Melting point/range:</b>	Not determined
<b>Density:</b>	No information available.	<b>Decomposition temperature:</b>	Not determined
<b>VOC:</b>	0.12% *	<b>Autoignition temperature:</b>	No information available
<b>Flash point:</b>	>200°F >93.4°C	<b>Partition coefficient (n-octanol/water):</b>	No information available
<b>Solubility:</b>	Completely Soluble	<b>Solubility in other solvents:</b>	No information available
<b>Viscosity:</b>	No information available	<b>Elemental Phosphorus:</b>	0.00% by w.t.

**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

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

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	Oral LD50 estimated to be greater than 5000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg.
<b>Component Information:</b>	See Section 3
<b>Chronic toxicity:</b>	None known
<b>Specific effects</b>	
<b>Carcinogenic effects:</b>	None known
<b>Mutagenic effects:</b>	None known
<b>Reproductive toxicity:</b>	None known
<b>Target organ effects:</b>	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

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-

### 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:** NAPRAC  
**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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