

Section 1: Product and Company Identification

Product Name	Vital Oxide RTU	Aqueous Oxidant
SDS No.	VO010118	
Manufacturer/Distributor	Vital Solutions, LLC PO Box 2299 West Palm Beach, FL 33404 (561) 848-1717	
Phone Numbers		
Medical Emergency	(800) 222-1222	

H	0	
F	0	
R	0	
PE	--	

Section 2: Hazards Identification

2.1 GHS Classification: This material is not considered hazardous by the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Remarks For full text of Hazard- and EU Hazard-statements: see SECTION 16.

Emergency Overview: Colorless liquid with mild fresh odor. Avoid contact with eyes. Keep out of reach of children.

HMIS Rating: PPE: 0	Health: 0	Flammability: 0	Reactivity: 0
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GHS Classification: This material is not considered hazardous by the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Potential Health Effects

2.2 Potential Health Effects

Eye Contact: Eye contact may cause mild eye irritation with discomfort.

Skin Contact: Does NOT cause skin irritation and the product is NOT skin sensitizer.

Inhalation: Does NOT cause any respiratory irritation. If consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors and allow adequate time for the vapors to disperse before re-entering the restricted area.

Ingestion: Non-Toxic **Carcinogenicity Information:** IARC, NTP, OSHA, and ACGIH list none of the components present in this material at concentrations equal to or greater than 0.1% as carcinogens.

Hazard statements: Eye contact may cause mild eye irritation with discomfort.

Precautionary statements

Precautionary statements – prevention: P234 Keep only in original container, or properly labeled second container

Precautionary statements – response

P390 Absorb spillage to prevent waste

DRUG NOTIFICATION FORM FORMULAIRE DE DÉCLARATION DE MÉDICAMENT

DIN: 02422654

PART/PARTIE I

PRODUCT INFORMATION/INFORMATION SUR LE PRODUIT

Brand Name/ Nom commercial	VITAL OXIDE		
Dosage Form/ Forme posologique	LIQUID		
Route of Administration/ Voie d'administration	DISINFECTANT (Barn) DISINFECTANT (Food Premises) DISINFECTANT (Hospital/HC Facilities) DISINFECTANT (Domestic) DISINFECTANT (Institutional/Industrial)		
Class/Classe	Disinfectant		
<i>If applicable / au besoin</i>			
Veterinary Species Type/Type d'espèce animale			Subtype/Sous-type
CR File/ No du dossier (dépôt central)	9410-40959-DIN		
Submission No./ No de la demande	150417		

INGREDIENT INFORMATION/INFORMATION SUR LES INGRÉDIENTS

Ingredient Names/Nom de l'ingrédient	Strength/Concentration	Supplied As/Forme
1 CHLORINE PEROXIDE	0.200 % / W/W	
2 BENZALKONIUM CHLORIDE	0.125 % / W/W	
3 ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE	0.125 % / W/W	

Please note that the information found inside the form should not be modified electronically.

DRUG NOTIFICATION FORM FORMULAIRE DE DÉCLARATION DE MÉDICAMENT

DIN: 02422654

COMPANY INFORMATION/INFORMATION SUR L'ENTREPRISE

A1 DIN OWNER
 Company Name/ **VITAL SOLUTIONS LLC**
 Nom de l'entreprise:

Street/Rue: PO BOX 9932 Suite:

City/Ville: WEST PALM BEACH Province: FLORIDA / FLORIDA

Country/Pays: UNITED STATES / ÉTATS UNIS Postal Code/Code Postal: 33419-4932 P.O. Box/Casier postal:

Contact/Responsable: JAMES BURNETT, CEO

Tel/Tél: 561-848-1717 Fax: 561-848-1619 Language/Lanque: English/Anlais French/Français

E-mail/Adresse électronique: JBURNETT@ECOLOGYWORKS.COM

Address Designation/Indicatif de station: Mailing/Courier Billing/Facturation Notification/Déclaration

A2 IMPORTER
 Company Name/ **HALIFAX INTERNATIONAL TRADING**
 Nom de l'entreprise:

Street/Rue: 1394 PINEWAY COURT Suite:

City/Ville: OAKVILLE Province: ONTARIO / ONTARIO

Country/Pays: CANADA / CANADA Postal Code/Code Postal: L6M 2H3 P.O. Box/Casier postal:

Contact/Responsable:

Tel/Tél: Fax: Language/Lanque: English/Anlais French/Français

E-mail/Adresse électronique:

Address Designation/Indicatif de station: Mailing/Courier Billing/Facturation Notification/Déclaration

DRUG NOTIFICATION FORM FORMULAIRE DE DÉCLARATION DE MÉDICAMENT

DIN: 02422654

PART/PARTIE II

NOTIFIED INFORMATION/INFORMATION REQUISE

Packaging Information/Information sur l'emballage

Quantity/ Quantité	Unit/ Unité	Type	Additional Product Information/Information additionnelle sur le produit

Other Information/Autre Information

Schedule/Inscription à l'annexe

**Pharmaceutical Standard/
Norme pharmaceutique**

<p>New to the Canadian Market/ Nouveau sur le marché canadien?</p> <p>Yes/ <input type="checkbox"/> Oui No/ <input type="checkbox"/> Non</p>	<p>Replaces a previously notified product/Remplace un produit déjà déclaré?</p> <p style="text-align: center;">Yes/ <input type="checkbox"/> Oui No/ <input type="checkbox"/> Non</p> <p>If yes, provide DIN (for inactivation)/Dans l'affirmative, veuillez préciser le DIN (à des fin d'inactivation)</p> <p style="text-align: center;">_____</p>
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**Date first sold in Canada/
Date d'introduction sur le marché canadien?**

D/J	M	Y/A				

**Attach on reverse side of this page/
Agrafer au verso de cette page**

a) inner and outer labels/étiquettes intérieure et extérieure
b) package inserts if any/notices de conditionnement, le cas échéant

When completed this form constitutes your drug notification. Retain a copy for your records, and submit this form within 30 days after date of first sale.

Une fois remplie, cette formule constitue votre déclaration de médicament. Vous devez en conserver une copie pour vos dossiers et retourner l'autre copie dans les 30 jours suivant la date de la première vente.

Name of Authorized Signing Official/ Nom du signataire autorisé	Title/Titre	Signature	Date		
			D/J	M	Y/A

Section 3: Composition / Information on Ingredients

Ingredients	CAS Number	Wt %
Oxychlorine Compounds	Mixture	0.200
n-Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	0.125
n-Alkyl Dimethyl Ethylbenzyl Ammonium Chloride	85409-23-0	0.125
Inert Ingredients	Mixture	99.55

At these concentrations none of the ingredients are known to pose any hazards to human health.

Section 4: First Aid Measures

Inhalation

Does NOT cause any respiratory irritation. If consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors, and allow adequate time for the vapors to disperse before re-entering the restricted area.

Skin Contact

Does NOT cause skin irritation.

Eye Contact

In case of contact, flush eyes with plenty of water.

Ingestion

Non-toxic. Give a glass of water.

Section 5: Fire Fighting Measures

Flammable Properties: Flash Point: Not Available (Non Flammable)

Flammable Limits: Lower Flammable Limit: Not Established

Burn Rate: Unknown

Upper Flammable Limit: Not Established

Flammability Classification: Non-Flammable liquid **Auto ignition Temperature:** Not Established

Hazardous Combustion Products: Thermal or other decomposition may yield chlorine dioxide or chlorine.

Extinguishing Media: N/A (Non-Flammable liquid) **Additional Considerations:** None

FIRE FIGHTING INSTRUCTIONS: Non-Flammable liquid

NFPA Rating: Health: 0 Flammability: 0 Reactivity: 0 PPE: None

Section 6: Accidental Release Measures

Spill Clean Up

No special cleanup measures are required for the consumer product. To avoid the possibility of "bleaching" the spill should be absorbed with paper towels, and the area rinsed with clean water.

Accidental Release Measures

Spills are slippery and should be cleaned up promptly.

Section 7: Handling and Storage

Handling: Keep away from heat and strong acids. Do not ingest. Keep container closed. Use only with adequate ventilation.

Storage: Keep container tightly closed and sealed until ready for use. Keep container in a well-ventilated place. Do not store above 90°F (40°C) or near fire or open flame. Store large quantities in buildings to comply with OSHA 1910.106. Do not transfer contents to bottles or other unlabeled containers. Do not reuse empty containers. Keep out of reach of children.

Incompatible materials: Strong acids

Special Packaging Materials: None

Section 8: Exposure Control/ Personal Protection

Engineering Controls: Use in adequately ventilated areas.

Personal Protective Equipment:

Eye/Face Protection: Not required for consumer product.

Skin Protection: Not required for consumer product.

Respirators: None required for normal use. If consumer product accidentally contacts strong acids in restricted ventilation area, Avoid breathing the vapors, and allow adequate time for the vapors to disperse before re-entering the restricted area.

Exposure Limits:

Oxychlorine Compounds:**n-Alkyl Dimethyl Ethylbenzyl Ammonium Chloride:**

PEL (OSHA): Not available	PEL (OSHA):	Not available
TLV (ACGIH): Not available	TLV (ACGIH):	Not available

n-Alkyl Dimethyl Benzyl Ammonium Chloride:

PEL (OSHA): Not available
TLV (ACGIH): Not available

Section 9: Physical and Chemical Properties

Appearance:	Colorless liquid	Odor:	Mild-Fresh
Physical State:	Liquid	pH:	8 - 9
Boiling Point (°F):	212	Solubility in Water:	100%
Freezing Point (°F):	32	Vapor Pressure (mm Hg):	Not Available
Volatile Organic Compounds (VOC):	None	Evaporation Rate:	Less than Ether
Specific Gravity:	1.003 @ 68°F (20°C)	Density (lb/gal):	8.40 @ 68°F (20°C)

Section 10: Stability and Reactivity

Chemical Stability: The product is stable.

Incompatibility with other Materials: Strong acids

Conditions to avoid: Contact with strong acids

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Thermal or other decomposition may yield chlorine dioxide or chlorine.

Section 11: Toxicological Information

TOXICITY TESTING – ACUTE Inhalation – Studies with Wistar Albino rats exposed to a respirable aerosol made from a solution of Vital Oxide at a level of 2.08 mg/l for four hours resulted in no deaths and no abnormal necropsy observations. **Eye Contact** – Studies with New Zealand white rabbits showed this product is a very mild ocular irritant; mild conjunctival irritation was observed, but cleared within 24 hours. **Skin Contact** – Study of dermal toxicity in New Zealand white rabbits showed the product to be non-toxic: Dermal LD₅₀ > 5,000 mg/kg of body weight; Study of dermal irritation in New Zealand white rabbits showed the product is not a dermal irritant. In Dermal Sensitization studies, Vital Oxide was determined not to be a sensitizer. **Swallowing** - Acute oral toxicity in albino rats: Non-toxic LD₅₀ > 5,000 mg/kg of body weight.

EPA TOXICITY RATING – IV This is the lowest category on the scale and is designed for substances that are the least hazardous.

Section 12: Ecological Information

Environmental Hazards: Not data available.

Environmental Fate: Not data available.

Section 13: Disposal Considerations

Waste Disposal: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.

Section 14: Transport Information

Shipping Information: Not regulated by DOT, IMO/IMDG and IATA/ICAO for ground, air or ocean shipments.

Section 15: Regulatory Information

U.S. Federal Regulations:

TSCA: All components appear in TSCA Inventory

OSHA: Refer to Section 8 for exposure limits.

CERCLA SARA Hazard Category:

Section 311 and 312: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: None

Section 313: This product contains following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: None

State regulations: State Right to Know information is not provided.

California prop. 65 (no significant risk level): None

International Regulations:

Canadian WHMIS: Not controlled

Canadian Environmental Protection Act (CEPA): Additional information available upon request.

EU Regulations: Additional information available upon request.

Section 16: Other Information

HMIS Rating: **Health: 0** **Flammability: 0** **Reactivity: 0** **PPE: None**

The information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Vital Solutions, LLC. The Data on this sheet related only to the specific material designed herein. Vital Solutions, LLC, assumes no legal responsibility for the use or reliance on this data.

End of SDS