



## Section 1. Product and Company Identification

Product Identifier DE4810 - Odor Doc

Product Use

Description: Deodorizing delivery system for the generation of chlorine dioxide for use in odor elimination in confined spaces to eliminate odors

### Manufacturer or suppliers' details

P & S Sales, Inc  
20943 Cabot Blvd.  
Hayward CA 94545

Emergency Number: 800-255-3924  
Customer Service: 510-732-2628  
Business Fax: 510-732-2632

## Section 2. Hazards Identification

### GHS Classification

**Oxidizing Solids** : Category 2  
**Acute toxicity (oral)** : Category 3  
**Acute toxicity (Inhalation)** : Category 2  
**Acute toxicity (dermal)** : Category 2  
**Skin Corrosion/Irritation** : Category 1B  
**Eye Damage** : Category 1  
**Aquatic Toxicity** : Category 1  
**Chronic Aquatic Toxicity** : Category 1

### GHS Label Elements

#### Hazard Pictograms



#### Hazard Word

**Danger**

#### Hazard Statements

H303: **May be harmful if swallowed**  
H313: **May be harmful in contact with skin**  
H333: **May be harmful if inhaled**  
H314: **Causes severe skin burns and eye damage**  
H373: **May cause damage to organs through prolonged or repeated exposure**  
H400: **Very toxic to aquatic life**  
H422: **Toxic to the soil environment**  
H433: **Harmful to terrestrial vertebrates**

#### Precautionary Statements

P201: **Obtain special instructions before use**  
P202: **Do not handle until all safety precautions have been read and understood**  
P260: **Do not breathe dust/fume/gas/mist/vapour/spray**  
P262: **Do not get in eyes, on skin, or on clothing**



- P264: **Wash skin thoroughly after handling**  
P270: **Do not eat, drink or smoke when using this product**  
P271: **Use only outdoors or in a well-ventilated area**  
P273: **Avoid release to the environment**  
P280: **Wear protective gloves/protective clothing/eye protection/face protection**  
P284: **Wear respiratory protection**  
P308+P313: **Wear protective gloves/protective clothing/eye protection/face protection**  
P314: **Get Medical advice/attention if you feel unwell**  
P301: **IF SWALLOWED:**  
P330: **Rinse mouth**  
P331: **Do NOT induce vomiting**  
P304: **IF INHALED:**  
P340: **Remove victim to fresh air and keep at rest in a position comfortable for breathing**  
P312: **breathing**  
P305: **Call a POISON CENTER or doctor/physician if you feel unwell**  
P351: **IF IN EYES:**  
P338: **Rinse cautiously with water for several minutes**  
P310: **Remove contact lenses if present and easy to do. continue rinsing**  
P405: **Immediately call a POISON CENTER or doctor/physician**  
**Store locked up**

### 3. Composition Information on Ingredients

CAS Number	Wt %	Component Name
7758-19-2	24-45%	Sodium Chlorite
	55-76%	Inorganic Acid/Other

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

### 4. First Aid Measures

#### EYE CONTACT

If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

#### SKIN

In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

#### INHALATION

If overcome by vapor, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen, if available.

#### INGESTION



If ingested, Do Not drink vinegar or other acids. DO NOT induce vomiting; call a physician immediately.

### 5. Fire Fighting Measures

SPECIAL FIRE FIGHTING PROCEDURE: NIOSH certified gas mask with canister for chlorine, or self-contained breathing apparatus should be used.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material is a strong oxidizer. Contact with combustibles may initiate combustion. Acid and heat may accelerate combustion, and decomposition products may include chlorine.

EXTINGUISHING MEDIA: Water or Carbon Dioxide (CO2)

### 6. Accidental Release Measures

SPILL/LEAK PROCEDURE: Isolate hazard area and deny entry to unnecessary or unprotect personnel. Keep combustibles away from spill. Ventilate area of spill or leak. Remove gas with a fine water spray. Stop leak if you can without risk. Wear a self-contained breathing apparatus. Contain spilled liquid with sand or earth. Place in a disposal container. Avoid runoff into storm sewers and ditches that lead to waterways. Never discharge directly into a lake, pond, stream, river, or other natural body of water.

### 7. Handling and Storage

HANDLING and STORAGE PRECAUTIONS: Product is corrosive and may cause irritation to exposed skin, and eyes. Avoid getting product on skin or in eyes. Proper protective clothing should be worn while handling product. Wash after handling and avoid breathing vapors. Store product in a cool dry place away from direct sunlight. Keep product away from ammonia, acids, detergents and other chemicals that may react with the product. Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage.

### 8. Exposure Controls and Personal Protection

7758-19-2	Sodium Chlorite	0.1 ppm OSHA PEL-TWA
.....	.....	0.1 ppm ACGIH TLV-TWA
.....	.....	0.1 ppm (ClO2 GAS) ACGIH TWA
.....	.....	0.3 ppm (ClO2 GAS) ACGIH STEL
.....	Inorganic Acid/Other	None Listed

VENTILATION: Local exhaust is recommended. Use only in well ventilated areas. RESPIRATOR: Use NIOSH approved respirator when exposure is great.

EYE PROTECTION: Chemical goggles with side face shield.

GLOVES: Rubber or neoprene gloves.



OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Rubber splash apron, and rubber boots. Safety shower and eye wash station should be located nearby.

## 9. Physical and Chemical Properties

Flash Point	N/A	Upper Flamability Limit	N/A
Auto Ignition		Lower Flamability Limit	N/A
Physical State	Dry Tablet	Color	Vapor Press
pH	Specific Gravity		Viscosity
Vapor Density (Air=1)		Melting Point °F	338
Water Solubility	Complete	Odor	Chlorine Odor
		VOC Content	not determined

## 10. Stability and Reactivity

**Stability** Stable **Hazardous Polymerization** Will not Occur

**Conditions to Avoid** INCOMPATIBILITY (MATERIALS TO AVOID): Corrosive to steel, stainless steel, and many other materials. Avoid contact with reducing agents.

**Hazardous Decomposition Products** DECOMPOSITION: Will produce chlorine dioxide gas with contact of acids. Thermal decomposition products include chlorine and oxides of sodium.

## 11. Toxicological Information

CARCINOGENICITY: This product does not contain compounds known to cause cancer according to NTP, IARC, or OSHA

## 12. Ecological Information

Do not discharge this product into public waters or waterways unless authorized by a National Pollution Discharge Elimination System (NPDES) permit issued by the Environmental Protection Agency (EPA).

## 13. Disposal Considerations

Options for disposal of this product may depend on the conditions under which it was used. To determine the proper method of disposal, refer to RCRA (40 CFR 261), as well as federal EPA and state and local regulations.

Please refer to Sections 5, 6 and 15 for additional information.



#### 14. Transportation Information

DOT Ground Domestic transport only: Limited quantity exemption §173.152, excepted from labeling requirements

For International Transportation or transportation by Air or Marine

This material is regulated as a DOT hazardous material.

DOT shipping Description (49CFR 172.101) UN1496 Sodium chlorite, 5.1, II

This applicable packaging is 49 CFR 173.4 (small quantity-maximum amount of sodium chlorite per individual receptacle is 30grams). Oxidizer placard not required. Outside package must be marked as follows: "This Package conforms to 49CFR 173.4:

NFPA Ratings:

Health hazard: 1 Flammability hazard: 1 Reactivity: 1 Other hazard: oxidizer

#### 15. Regulatory Information

REACTIVITY HAZARD: yes, oxidizer

ACUTE HAZARD: yes, irritant

FIRE HAZARD: yes, oxidizer

CHRONIC HAZARD: not known

PRESSURE HAZARD: no

CERCLA HAZARDOUS SUBSTANCE: Not regulated

CARCINOGENICITY: This product does not contain compounds known to cause cancer according to NTP, IARC, or OSHA

#### 16. Other Information

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The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal counsel should be consulted to insure proper health, safety and other necessary information is included on the container.

#### Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH American Conference of Government Industrial Hygienists

LD50 Lethal Dose 50%

AICS Australia, Inventory of Chemical Substances

LOAEL Lowest Observed Adverse Effect Level

DSL Canada, Domestic Substances List

NFPA National Fire Protection Agency

NDSL Canada, Non-Domestic Substances List

NIOSH National Institute for Occupational Safety & Health

CNS Central Nervous System

NTP National Toxicology Program

CAS Chemical Abstract Service

NZIoC New Zealand Inventory of Chemicals

EC50 Effective Concentration

NOAEL No Observable Adverse Effect Level

EC50 Effective Concentration 50%



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NOEC No Observed Effect Concentration  
EGEST EOSCA Generic Exposure Scenario Tool  
OSHA Occupational Safety & Health Administration  
EOSCA European Oilfield Specialty Chemicals Association  
PEL Permissible Exposure Limit  
EINECS European Inventory of Existing Chemical Substances  
PICCS Philippines Inventory of Commercial Chemical Substances  
MAK Germany Maximum Concentration Values  
PRNT Presumed Not Toxic  
GHS Globally Harmonized System  
RCRA Resource Conservation Recovery Act  
>= Greater Than or Equal To  
STEL Short-term Exposure Limit  
IC50 Inhibition Concentration 50%  
SARA Superfund Amendments and Reauthorization Act.  
IARC International Agency for Research on Cancer  
TLV Threshold Limit Value  
IECSC Inventory of Existing Chemical Substances in China  
TWA Time Weighted Average  
ENCS Japan, Inventory of Existing and New Chemical Substances  
TSCA Toxic Substance Control Act  
KECI Korea, Existing Chemical Inventory  
UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials  
<= Less Than or Equal To  
WHMIS Workplace Hazardous Materials Information System  
LC50 Lethal Concentration 50%