



Odor Doc

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard
Issue date: 5/9/2024 Revision date: 5/9/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Odor Doc

1.2. Recommended use and restrictions on use

Recommended use : Deodorizer
Restrictions on use : For professional use only

1.3. Supplier

P&S Sales, Inc.
20943 Cabot Blvd.
Hayward, CA 94545
T 510-732-2628
dave@pssales.com

1.4. Emergency telephone number

Emergency number : 1-800-255-3924

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Oxidizing solids Category 2	May intensify fire; oxidizer
Acute toxicity (oral) Category 4	Harmful if swallowed
Acute toxicity (dermal) Category 3	Toxic in contact with skin
Skin corrosion/irritation Category 1B	Causes severe skin burns and eye damage
Serious eye damage Category 1	Causes serious eye damage
Specific target organ toxicity (repeated exposure) Category 2	May cause damage to organs (spleen) through prolonged or repeated exposure

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: May intensify fire; oxidizer
Harmful if swallowed
Toxic in contact with skin
Causes severe skin burns and eye damage
Causes serious eye damage
May cause damage to organs (spleen) through prolonged or repeated exposure

Precautionary statements (GHS US)

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep/Store away from Flammable materials, combustible materials, clothing
Do not breathe dust.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.

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Wear protective gloves, protective clothing, eye protection, face protection.
If swallowed: rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor/physician.
Get medical advice/attention if you feel unwell.
In case of fire: Use water to extinguish.
Store locked up.
Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None known.

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Sodium Bisulfite	CAS-No.: 7681-38-1	35 – 45
Sodium chlorite	CAS-No.: 7758-19-2	20 – 25
chlorine dioxide	CAS-No.: 10049-04-4	Released in use

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : First aider: Pay attention to self-protection!
First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
First-aid measures after skin contact : Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Take off contaminated clothing. Immediately flush skin with plenty of water for at least 15 minutes. Get immediate medical advice/attention.
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : Causes severe skin burns and eye damage. Toxic in contact with skin. Harmful if swallowed.
Inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Skin : Causes severe burns.
Eyes : Serious damage to eyes.

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Ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: Causes damage to organs through prolonged or repeated exposure.

4.3. Immediate medical attention and special treatment, if necessary

Get immediate medical attention.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use water spray or fog. Use extinguishing media appropriate for surrounding fire. Cool down the containers exposed to heat with a water spray.
Unsuitable extinguishing media	: None.

5.2. Specific hazards arising from the chemical

Fire hazard	: May cause or intensify fire; oxidizer. This product is not classified as flammable or combustible.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Chlorine. Sulfur oxides (SOx).

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear suitable protective clothing. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Keep unprotected persons away.
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6.1.1. For non-emergency personnel

Emergency procedures	: No open flames, no sparks, and no smoking. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Keep unnecessary and unprotected personnel away from the spillage. Keep away from combustible materials.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Stop leak if safe to do so. Keep away from combustible materials.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Carefully shovel or sweep up spilled material and place in suitable container. Notify authorities if product enters sewers or public waters.
Other information	: Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Keep away from clothing and other combustible materials. Contact with combustible material may cause fire. Wash hands with water and soap. Ensure adequate ventilation. Do not subject to grinding, shock, friction.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store locked up. Keep container closed when not in use. Store in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in original container. Keep dry. Protect from sunlight. Store away from foodstuffs. Do not store on wooden floors, wooden pallets or near flammable or combustible materials.
- Incompatible materials : Flammable materials. Combustible materials. reducing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chlorine dioxide (10049-04-4)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Chlorine dioxide
ACGIH OEL Ceiling	0.1 ppm
Remark (ACGIH)	TLV® Basis: Resp tract irr; pulm edema
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Chlorine dioxide
OSHA PEL (TWA)	0.3 mg/m³
	0.1 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure adequate ventilation. Provide adequate ventilation to minimize dust and/or vapor concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Materials for protective clothing:
Impervious clothing
Hand protection:
Wear impervious gloves. Consult glove manufacturer's product information on material suitability and material thickness.

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Eye protection:

Chemical goggles. Goggles + face shield

Skin and body protection:

Wear fire resistant or flame retardant clothing. Impervious clothing

Respiratory protection:

In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Tablets.
Color	: White
Odor	: chlorine-like
Odor threshold	: No data available
pH	: No data available
Melting point	: 338 °F
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable
Explosive properties	: None.
Oxidizing properties	: May intensify fire; oxidizer.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

May cause fire or explosion; strong oxidizer.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts violently with combustible materials: risk of spontaneous ignition.

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10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Combustible materials. acids. reducing agents. Flammable materials. Reacts vigorously, violently or explosively with many organic and inorganic chemicals, such as strong acids, acid chlorides, acid anhydrides, ketones, glycols and organic peroxides.

10.6. Hazardous decomposition products

Thermal decomposition generates: Chlorine. hydrogen chloride. Sulfur dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Toxic in contact with skin.
Acute toxicity (inhalation) : Not classified

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ATE US (oral)	1136 mg/kg body weight
ATE US (dermal)	536 mg/kg body weight

Sodium Bisulfite (7681-38-1)	
LD50 oral rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 2.4 mg/l/4h Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)

Sodium chlorite (7758-19-2)	
LD50 oral rat	284 mg/kg
LD50 dermal rabbit	134 mg/kg
ATE US (oral)	284 mg/kg body weight
ATE US (dermal)	134 mg/kg body weight

Chlorine dioxide (10049-04-4)	
LD50 oral rat	93.86 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral)), 95% CL: 45,52 - 193,53
LC50 Inhalation - Rat [ppm]	32 ppm
ATE US (oral)	93.86 mg/kg body weight
ATE US (gases)	32 ppmV/4h
ATE US (vapors)	0.5 mg/l/4h
ATE US (dust, mist)	0.05 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

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Sodium chlorite (7758-19-2)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
Sodium chlorite (7758-19-2)	
LOAEL (animal/male, F1)	> 10 mg/kg body weight Animal: rat, Animal sex: male
LOAEL (animal/female, F1)	10 mg/kg body weight Animal: rat, Animal sex: female
NOAEL (animal/female, F1)	5 mg/kg body weight Animal: rat, Animal sex: female
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs (spleen) through prolonged or repeated exposure.
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Target organ(s)	spleen
Sodium chlorite (7758-19-2)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Viscosity, kinematic	: Not applicable
Symptoms/effects	: Causes severe skin burns and eye damage. Toxic in contact with skin. Harmful if swallowed.
Inhalation	: Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Skin	: Causes severe burns.
Eyes	: Serious damage to eyes.
Ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: Causes damage to organs through prolonged or repeated exposure.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

Sodium Bisulfite (7681-38-1)	
LC50 - Fish [1]	7960 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	1766 mg/l
EC50 72h - Algae [1]	1900 mg/l
Sodium chlorite (7758-19-2)	
LC50 - Fish [1]	105 mg/l
EC50 - Crustacea [1]	0.75 mg/l daphnia magna
EC50 72h - Algae [1]	21.5 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	5.76 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
chlorine dioxide (10049-04-4)	
LC50 - Fish [1]	0.021 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.063 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	75 mg/l Test organisms (species): Cyprinodon variegatus

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chlorine dioxide (10049-04-4)	
EC50 72h - Algae [1]	1.096 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.324 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 500 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 500 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '36 d'

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
Sodium Bisulfite (7681-38-1)	
Persistence and degradability	Rapidly degradable
Sodium chlorite (7758-19-2)	
Persistence and degradability	Not rapidly degradable
chlorine dioxide (10049-04-4)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Dispose of in accordance with applicable federal, state, and local regulations.
Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
1496	1496	1496
14.2. Proper Shipping Name		
Sodium chlorite (MIXTURE)	SODIUM CHLORITE (MIXTURE)	Sodium chlorite (MIXTURE)

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DOT	IMDG	IATA
14.3. Transport hazard class(es)		
5.1	5.1	5.1
		
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

14.6. Special precautions for user

DOT

UN-No.(DOT)

DOT Special Provisions (49 CFR 172.102)

: UN1496

: A9 - For combination packaging, if plastic bags are used, they must be packed in tightly closed metal receptacles before packing in outer packaging.

IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).

IP2 - When IBCs other than metal or rigid plastics IBCs are used, they must be offered for transportation in a closed freight container or a closed transport vehicle.

IP4 - Flexible, fiberboard or wooden IBCs must be sift-proof and water-resistant or be fitted with a sift-proof and water-resistant liner.

N34 - Aluminum construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material.

T3 - 2.65 178.274(d)(2) Normal..... 178.275(d)(2)

TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.

DOT Packaging Exceptions (49 CFR 173.xxx) : 152

DOT Packaging Non Bulk (49 CFR 173.xxx) : 212

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 kg

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 25 kg

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

DOT Vessel Stowage Other : 56 - Stow "separated from" ammonium compounds, 58 - Stow "separated from" cyanides

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IMDG	
Limited quantities (IMDG)	: 1 kg
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P002
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG)	: B21, B4
Tank instructions (IMDG)	: T3
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-H - FIRE SCHEDULE Hotel - OXIDIZING SUBSTANCES WITH EXPLOSIVE POTENTIAL
EmS-No. (Spillage)	: S-Q - SPILLAGE SCHEDULE Quebec - OXIDIZING SUBSTANCES
Stowage category (IMDG)	: A
Segregation (IMDG)	: SGG5, SG38, SG49
Properties and observations (IMDG)	: Colourless deliquescent solid. Soluble in water. Reacts vigorously with sulphuric acid. Reacts fiercely with cyanides when heated or by friction. May form explosive mixtures with combustible material, powdered metals or ammonium compounds. These mixtures are sensitive to friction and are liable to ignite. When involved in a fire, may cause an explosion.

IATA	
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y544
PCA limited quantity max net quantity (IATA)	: 2.5kg
PCA packing instructions (IATA)	: 558
PCA max net quantity (IATA)	: 5kg
CAO packing instructions (IATA)	: 562
CAO max net quantity (IATA)	: 25kg
ERG code (IATA)	: 5L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) 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.

15.2. International regulations

CANADA

Sodium Bisulfite (7681-38-1)

Listed on the Canadian DSL (Domestic Substances List)

Sodium chlorite (7758-19-2)

Listed on the Canadian DSL (Domestic Substances List)

chlorine dioxide (10049-04-4)

Listed on the Canadian DSL (Domestic Substances List)

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EU-Regulations

No additional information available

National regulations

Sodium Bisulfite (7681-38-1)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sodium chlorite (7758-19-2)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

chlorine dioxide (10049-04-4)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Sodium chlorite(7758-19-2)	U.S. - New Jersey - Right to Know Hazardous Substance List
chlorine dioxide(10049-04-4)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

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Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.