

# SAFETY DATA SHEET



## PROVOX®-PROVOX C®

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

Date of issue: 05 September 2023  
Date of First Issue: 21 December 2022  
Version: V1.1

### SECTION 1: IDENTIFICATION

#### Product identifier

Product Name Provox® – Provox C®

#### Other Means of Identification

Product code Not available  
Product type Substances

#### Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Bleaching agent, Cleaning products, Oxidant, Washing product  
Uses Advised Against Anything other than the above.

#### Details of the supplier of the safety data sheet

Supplier OCI Alabama LLC  
1455 Red Hat Road  
USA - AL 35603 Decatur  
(256) 301-5241  
(256) 301-5290  
Cynthia Hanevik ( chanevik@ociperoxygens.com)

Telephone  
Fax  
E-Mail (competent person)

#### Emergency telephone number

Emergency Phone No. CHEMTREC : +1 703 527 38 87 (International Contact number)  
+1-800-424-9300 (USA only)

Languages spoken English

### SECTION 2: HAZARD(S) IDENTIFICATION

#### Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200

Physical hazards Oxidising solid, Category 2  
Health hazards Acute toxicity, Category 4  
Skin sensitization, Category 1  
Eye damage, category 1  
Environmental hazards Not classified

#### Label elements

Hazard Pictogram(s)



Signal Word(s)

DANGER

Hazard Statement(s)

May intensify fire; oxidiser.  
Harmful if swallowed.  
May cause an allergic skin reaction.  
Causes serious eye damage.

Precautionary Statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep away from clothing and other combustible materials.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Immediately call a POISON CENTER/doctor.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
In case of fire: Use water, water spray to extinguish.

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### Other hazards

None known

### Percent of the mixture consists of ingredient(s) of unknown acute toxicity:

0% of the mixture consists of ingredients of unknown acute inhaled toxicity.  
0% of the mixture consists of ingredients of unknown acute oral toxicity.  
0% of the mixture consists of ingredients of unknown acute dermal toxicity.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

Chemical identity of the substance	%W/W	CAS No.	EC No.	Hazard classification
Disodium carbonate, compound with hydrogen peroxide (2:3)	≥95	15630-89-4	239-707-6	Oxidising solid, Category 2 Acute toxicity, Category 4 Skin sensitization, Category 1 Eye damage, category 1

Mixtures Not applicable

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Self-protection of the first aider

No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapour. Remove contaminated clothing and wash clothing before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact

IF ON SKIN: Wash with plenty of water/soap. Continue to wash the affected area for at least 15 minutes. Remove contaminated clothing and wash clothing before reuse. Seek medical attention if irritation persists.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. Obtain prompt consultation, preferably from an ophthalmologist.

Ingestion

IF SWALLOWED: Rinse mouth with water (only if the person is conscious). Make victim drink plenty of water. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

### Most important symptoms and effects, both acute and delayed

Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable Extinguishing Media

Use fire-extinguishing media appropriate for surrounding materials. Water, Water spray.

Unsuitable extinguishing Media

Do not use water jet. Direct water jet may spread the fire.

### Special hazards arising from the substance or mixture

May intensify fire; oxidiser. Oxygen released in thermal decomposition may support combustion. Contact with combustible material may cause fire. Risk of explosion if heated under confinement. In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Oxygen.

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### Advice for fire-fighters

Fight fire with normal precautions from a reasonable distance. Evacuate area. Remove persons to safety. Move undamaged containers from immediate hazard area if it can be done safely. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Do not breathe vapour. Avoid all contact. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid dust formation. Remove contaminated clothing and wash all affected areas with plenty of water.

### Methods and material for containment and cleaning up

Stop leak if safe to do so. Wipe up with absorbent material (eg. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. Ventilate the area and wash spill site after material pick-up is complete.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Avoid all contact. Do not ingest. Do not breathe vapour. Wear protective gloves/eye protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

### Conditions for safe storage, including any incompatibilities

Keep only in original packaging. Keep in a well ventilated place. Keep container closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Keep from direct sunlight.

Storage temperature  
Incompatible materials

Stable at ambient temperatures.  
Avoid contact with: Water, Acids, Bases, Heavy metal salts, Reducing agent, Organic material, Flammable material.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

Not established.

### Biological exposure indices

Not established.

### Appropriate engineering controls

Ensure adequate ventilation. Guarantee that the eye flushing systems and safety showers are located close to the working place. Avoid dust generation. Atmospheric levels should be controlled in compliance with the occupational exposure limit.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

### Individual protection measures, such as personal protective equipment (PPE)

Keep good industrial hygiene. Obtain special instructions before use. Avoid contact with skin, eyes and clothes. Wash contaminated clothing before reuse. Avoid all contact. Do not eat, drink or smoke at the work place.

Eye/face protection



Wear chemical resistant protective eye glasses. Wear eye protection with side protection (EN166).

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Skin protection



**Hand protection:** Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.  
Recommended: PVC, Neoprene, Natural rubber

Respiratory protection



**Body protection:** Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

In case of inadequate ventilation wear respiratory protection. Recommended: EN143 Type A-P2

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Appearance	White Crystalline solid, Crystalline powder
Odour	Odourless
Odour threshold	Not applicable
pH	10.4-10.6 ; 140 g/l ; 20 °C
Melting Point/Freezing Point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not known
Flammability (solid, gas)	Not flammable
Upper/lower flammability or explosive limits	Not flammable / Not explosive
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	2.16 ; 20.4 °C
Solubility(ies)	Water ; 140 g/l ; 20 °C
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	Not applicable
Decomposition Temperature	> 75 °C
Viscosity	Not applicable

#### Other information

Density (g/cm <sup>3</sup> )	2.16 ; 20.4 °C
Percent Volatile (%):	Not known
Specific Gravity	Not known
Explosive properties	Not explosive
Oxidising properties	May intensify fire; oxidiser.

### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Potential for exothermic hazard. Stable under recommended storage and handling conditions.
<b>Chemical stability</b>	Unstable in the presence of moisture and heat.
<b>Possibility of hazardous reactions</b>	May intensify fire; oxidiser. Oxygen released in thermal decomposition may support combustion. Contact with combustible material may cause fire. Risk of explosion if heated under confinement.
<b>Conditions to avoid</b>	Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Keep from direct sunlight.
<b>Incompatible materials</b>	Avoid contact with: Water, Acids, Bases, Heavy metal salts, Reducing agent, Organic material, Flammable material.
<b>Hazardous decomposition product(s)</b>	In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ), Oxygen.

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### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

##### Acute toxicity - Ingestion

Acute toxicity, Category 4; Harmful if swallowed.

LD50 (oral,rat) mg/kg: 1034

##### Acute toxicity - Skin Contact

Based upon the available data, the classification criteria are not met.

LD50 (skin,rabbit) mg/kg: >2000

##### Acute toxicity - Inhalation

Based upon the available data, the classification criteria are not met.

##### Skin corrosion/irritation

Based upon the available data, the classification criteria are not met.

##### Serious eye damage/irritation

Eye damage, category 1; Causes serious eye damage.

Severe/very severe irritant to rabbit eyes. (OECD 405) (Unnamed 1995)

##### Respiratory or skin sensitization

Skin sensitization, Category 1; May cause an allergic skin reaction.

EC3:  $\leq 10 - 100 \geq$ . Weak sensitizer.

##### Germ cell mutagenicity

Based upon the available data, the classification criteria are not met.

##### Carcinogenicity

Based upon the available data, the classification criteria are not met.

##### Reproductive toxicity

Based upon the available data, the classification criteria are not met.

##### STOT - single exposure

Based upon the available data, the classification criteria are not met.

##### STOT - repeated exposure

Based upon the available data, the classification criteria are not met.

##### Aspiration hazard

Based upon the available data, the classification criteria are not met.

#### Information on likely routes of exposure

Inhalation

Possible – accidental exposure

Ingestion

Possible – accidental exposure

Skin Contact

Possible – accidental exposure

Eye Contact

Possible – accidental exposure

#### Early onset symptoms related to exposure

Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage.

#### Delayed health effects from exposure

None anticipated

#### Exposure levels and health effects

See Section: 8

#### Interactive effects

None Known

#### Other information

OSHA Designated Carcinogen

The substance is not listed.

NIOSH Occupational Carcinogen List

The substance is not listed.

NTP Report on Carcinogens

The substance is not listed.

IARC Monographs

The substance is not listed.

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

Based upon the available data, the classification criteria are not met.

EC50: 4.9 mg/l

NOEC: 2 mg/l

#### Persistence and degradability

Not applicable.

Hydrolysis in water

#### Bioaccumulative potential

The substance will not bioaccumulate.

#### Mobility in soil

The substance has high mobility in soil. (European Commission, 2003b).

#### Other adverse effects

None Known

### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Disposal should be in accordance with local, state or national legislation. Handle contaminated packages in the same way as the substance

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itself. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. The waste code has to be identified in agreement with the disposal company or the competent authority.

### SECTION 14: TRANSPORT INFORMATION

	Road/Rail (ADR/RID)	Sea transport (IMDG)	Air (ICAO/IATA)
<b>UN number</b>	UN 3378	UN 3378	UN 3378
<b>UN proper shipping name</b>	SODIUM CARBONATE PEROXYHYDRATE	SODIUM CARBONATE PEROXYHYDRATE	SODIUM CARBONATE PEROXYHYDRATE
<b>Transport hazard class(es)</b>	5.1	5.1	5.1
<b>Packing group</b>	II	II	II
<b>Environmental hazards</b>	Not classified	Not classified as a Marine Pollutant.	Not classified
<b>Special precautions for user</b>	See Section: 2		
Special provisions	TU3 (ADR only), B120, IB8, IP2, IP4, T3, TP33		
Limited Quantities	1kg / E2		
Tunnel Code	2 (E)		
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable		
<b>Additional Information</b>			
Hazard Identification Number	50		

### SECTION 15: REGULATORY INFORMATION

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

##### US Federal Regulations

TSCA Chemical Data Reporting (CDR) Rule	Listed (subject to 25,000 lb reporting threshold)
NIOSH Occupational Carcinogen List	The substance is not listed.
EPCRA Section 313	The substance is not listed.
CWA 307- Toxic	The substance is not listed.
CERCLA - Hazardous Substances	The substance is not listed.
CWA Section 311 List of Hazardous Substances	The substance is not listed.

##### US State Regulations

Proposition 65 (California)	The substance is not listed.
California State - Hazardous substances information and training Act	The substance is not listed.
Massachusetts, New Jersey, Pennsylvania, Rhode Island- State Right to Know Lists	The substance is not listed.
New York -State Right to Know Lists	Listed
Minnesota - State Right to Know Lists	The substance is not listed.
Massachusetts – Toxic Use reduction act	The substance is not listed.

##### Non-Regional

IARC Monographs	The substance is not listed.
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### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Section 14.

<b>Version</b>	V1.1
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This Safety Data Sheet was prepared in accordance with US Regulation OSHA HCS (29 CFR 1910.1200)

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### References:

Existing ECHA registration(s) for Disodium carbonate, compound with hydrogen peroxide (2:3) (CAS No. 15630-89-4)  
Existing Safety Data Sheet (SDS)  
StillMeadow Incorporated Test results – ID: 19320-15 / 19318-15  
SGS US Testing compant Test results – ID: 165697

### LEGEND

ADR/RID	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road / RID: Regulations concerning the international railway transport of dangerous goods
CAS	CAS: Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived No Effect Level
EC50	Half maximal effective concentration
EC	EC: European Community
ECHA	European Chemicals Agency
EU	European Union
IATA	IATA: International Air Transport Association
ICAO/IATA	ICAO: International Civil Aviation Organization / IATA: International Air Transport Association
IMDG	IMDG: International Maritime Dangerous Goods
LD50	Lethal dose at which 50% of the population is killed
LC50	Lethal concentration at which 50% of the population is killed
LTEL	Long Term Exposure Limit
NOEC	No Observed Effect Concentration
MARPOL	The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL	Short Term Exposure Limit
UN	United Nations
vPvB	vPvT: very Persistent and very Toxic

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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