SAFETY DATA SHEET

PROVOX®-PROVOX C®

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

Date of issue: 21 December 2022
Version: V1.0

SECTION 1: IDENTIFICATION

Product identifier

Product Name: Provox® – Provox C®

Other Means of Identification

Product code: Not available
Product type: Substances

Barentz.
Provided by Barentz
627 Lyons Lane, Suite 300, Oakville, ON, L6J 5Z7
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www.barentz-na.com

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
Telephone: (256) 301-5241
Fax: (256) 301-5290
E-Mail (competent person): Cynthia Hanevik (chanevik@ociperoxygens.com)

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.

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 inhalated 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 (CO2), Oxygen.

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	Stable at ambient temperatures.
Incompatible materials	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 indicies	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).

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 **Body protection:** Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory protection 	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/cm³)	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

Reactivity	Potential for exothermic hazard. Stable under recommended storage and handling conditions.
Chemical stability	Unstable in the presence of moisture and heat.
Possibility of hazardous reactions	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.
Conditions to avoid	Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Keep from direct sunlight.
Incompatible materials	Avoid contact with: Water, Acids, Bases, Heavy metal salts, Reducing agent, Organic material, Flammable material.
Hazardous decomposition product(s)	In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO2), Oxygen.

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: ≤10 – 100 ≥. 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

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

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)
UN number	UN 3378	UN 3378	UN 3378
UN proper shipping name	SODIUM CARBONATE PEROXYHYDRATE	SODIUM CARBONATE PEROXYHYDRATE	SODIUM CARBONATE PEROXYHYDRATE
Transport hazard class(es)	5.1	5.1	5.1
Packing group	II	II	II
Environmental hazards	Not classified	Not classified as a Marine Pollutant.	Not classified
Special precautions for user	See Section: 2		
Special provisions	TP33 / TU3		
Limited Quantities	1kg / E2		
Tunnel Code	2 (E)		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable		
Additional Information			
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.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable – V1.0

Version V1.0
Date of issue 21 December 2022

This Safety Data Sheet was prepared in accordance with US Regulation OSHA HCS (29 CFR 1910.1200)

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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