

Material Safety Data Sheet
Pure & Clean Wound Cleanser OTC Solution Products
March 2016

HMIS Hazard Rating: Health = 0 Flammability = 0 Physical = 0 Reactivity = 0

Section I - General Information

Product Name: Pure & Clean Wound Cleanser OTC Solution
Product Description: Electro-chemically activated solution of sodium chloride
(0.9% or less)
CAS #: None (mixture)
Manufacturer: Seriously Clean, Ltd
Address: 1083 W. Kathryn St. Suite 1
Nixa, Mo. 65714
Phone No: 417-720-0569

For Information on health hazards call: 417-720-0569
Chemtec Emergency Number: 800-424-9300
Preparation Date (or latest revision): May 11, 2016
Prepared by: Pure & Clean, LLC

Section II - Composition and information on Ingredients

Component(s)	CAS#	% wt
Water	7732-18-5	≥99%
Hypochlorous Acid	7790-92-3	≤0.01%

The product contains no hazardous components.

The product contains 100±ppm Free Available Chlorine (FAC).

Toxicity and exposure limits to Chlorine:

TLV/TWA: 1 ppm (3mg/cubic meter)

TLV/STEL: 3 ppm (9mg/cubic meter)

Acute Oral LD50 in rats g/kg 1.26 – 2.0

Dermal LD50 in rats g/kg 1.26 – 2.0

Section III – Physical and Chemical Properties

Physical State:	Liquid
Boiling Point (°C)	100° C
Melting Point/ Range	NA
Flash Point (°C):	NA (non flammable)
Vapor Pressure (mm Hg @ 20°):	NA
Vapor Density (Air = 1):	ND
Specific Gravity (H²O = 1):	1.00 – 1.06 g/ml
Density:	8.34 lbs/gal
Appearance/ Color/ Odor:	Clear, with a faint chlorinous/ozonous odor
Evaporation Rate:	Comparable to Water
Solubility in Water:	Complete
pH:	6.1 – 6.8

Section IV - Fire and Explosive Hazard Information

Not flammable or explosive

Section V - Health Effects Information

Under normal use conditions the likelihood of any adverse health effect is low.

Exposure Limits: No exposure limits established for the product by ACGIH or OSHA.

Skin Contact: If irritation occurs, wash affected area with water.

Eye Contact: If irritation occurs, flush eyes with water.

Ingestion: Drink an 8 oz. glass of water.

Inhalation: if breathing problems develop, move away from product and into fresh air.

Medical conditions generally recognized as being aggravated by exposure to Product: NA

Primary route(s) of exposure: Inhalation of product vapors or fumes is the most common route of exposure in occupational settings.

Developmental/Reproductive Toxicity: No conclusion has been made based on human and animal studies.

Carcinogenicity: No conclusion on the carcinogenicity of chlorine has been made based on the limited information available from human and animal studies. Neither the product nor any of its constituents are listed in the latest NTP Annual Report on Carcinogens or has been found to be a potential carcinogen in the latest IARC Monograph or by OSHA.

Cytogenecity: Product does not possess cytogenetic activity based on the test results of chromosome induction operations in the bone marrow cells of mice.

Section VI – Reactivity Data

Stability: Loses its level of available chlorine at high temperatures and when exposed to direct sunlight.

Conditions to Avoid: Avoid accidental or uncontrolled contact of product with acids and hydrogen peroxide.

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

Section VII - Spill, Leak and Disposal Procedures

Product is $\leq 0.048\%$ sodium chloride (salt) solution and $\leq 0.01\%$ available chlorine. Some localities allow such concentrations to be sent to open storm sewers; however, local environmental regulatory requirements should be followed. If desired, spills can be washed to sewer with plenty of water, or neutralized using sodium sulfite or sodium thiosulfate

Section VII - Control Measures/Personal Protective Equipment

No personal protective equipment is required under normal conditions. The following suggestions should be considered in case of accidental chlorine release due to acidification.

Ventilation: Open air or good room ventilation is normally adequate for the safe use of the product. Avoid breathing any vapors or fumes resulting from acid ventilation.

Respiratory Protection: In accordance with OSHA regulations (29 CFR 1910.134 and 29 CFR 1910.1000) fogging or spraying applications may require worker respiratory protection, such as (1) NIOSH/MSHA approved air-purifying respirators, or (2) NIOSH/MSHA approved canister/cartridge facial respirators for chlorine/acid vapors.

Eye Protection: Although Product is designed to be safe for eyes, good manufacturing and laboratory practices recommend the use of chemical safety goggles for all applications involving chemical handling.

Protective Clothing: Although product is designed to be safe for skin, good manufacturing and laboratory practice recommend that, at a minimum, rubber, neoprene, or other chemically impervious gloves be worn for all applications involving chemical handling.

Section IX – Transportation Information

OSHA Label: None Required.

DOT Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, RQ (If needed): Not DOT Regulated. No DOT label required.

Section X - Regulatory Information

TCSA No: All Chemicals in this product are listed on the EPA TSCA Inventory List.

OSHA Hazard Communication Standard: This product is not a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Clean Air Act: NA

Product Label Text Hazard Information:

® Avoid contact with eyes and skin ® Wash hands after handling product

® Refer to MSDS ® Keep out of Reach of Children

Section XI – Disclaimer

This Material Safety Data Sheet (MSDS) was prepared in accordance with the provisions and requirements of 29 CFR § 1910.1200(g) and discloses the physical and health hazards of all hazardous chemicals contained in the product described in this MSDS, but unless otherwise noted, does NOT describe or disclose ALL of the chemicals/components in the product, some of which may be Trade Secrets.

The information included in this MSDS is based on data developed or compiled by Seriously Clean Ltd. from open literature, independent laboratory studies, and other available scientific evidence and is believed to be accurate and complete, but Seriously Clean Ltd. makes no warranty with respect thereto.

Neither does Seriously Clean Ltd. make any representation or warranty, express or implied, with respect to the Product or its suitability for any purpose or use, hereby disclaiming all such warranties, including the implied warranties of merchantability and fitness for a particular purpose and the implied warranty that the Product is free of claims of third persons by way of infringement or the like. Anyone intending to use the Product described in this MSDS should satisfy himself that the Product (1) is suitable for their particular purposes and intended uses, and (2) meets any safety and health standards applicable thereto. It is the obligation of each user of the Product described in the MSDS to determine and comply with the requirements of all statutes – local, state and federal – applicable to its use, storage and disposal.

Section XII - Symbols

ACGIH = American Conference of Governmental Industrial Hygienists

ASTMI = American Society for Testing and Materials International

CAS# = Chemical Abstracts Service Register number.

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

CL = Ceiling Limit

IARC = International Agency for Research on Cancer
NIOSH = National Institute for Occupational Safety and Health Hygienists
NA = No applicable information
ND = Not Determined
NFPA = National Fire Protection Association
NTP = National Toxicology Program
OSHA = Occupational Safety and Health Administration
OSHA, TWA = Occupational Safety and Health Administration, Time Weighted Average
PMCC = Pensky – Martens Closed Cup Flash Point Determination
SARA = Superfund Amendment and Reauthorization Act of 1986
STEL = Short Term Exposure Limit
TCC = Tagliabue Closed Cup flash pint determination
TLV = Threshold Limit Value
TWA = Time Weighted Average, 8 hours

Section XIII – Additional Information/Comments

None.

The information contained in this Material Safety Data Sheet (MSDS) is offered as a guide to the handling of this specific material. It has been prepared in good faith by technically knowledgeable personnel and is believed to be correct as of the effective date listed.

Seriously Clean Ltd. shall not be held liable for any damages, losses or injuries of any nature which may result from the use of or reliance upon any information contained in this MSDS.