

ULV500 Professional Surface Cleaner

Safety Data Sheet

SECTION I – IDENTIFICATION

Product Name: Petra ULV500 | **Product Number:** ULV500
Product Description: 0.05% Hypochlorous Acid Solution generated ElectroChemically from Diluted Brine.

Container Size: 275 Gallons 55 Gallons
5 Gallons 1 Gallon

CAS Number: None (Mixture)

Recommended Use: Formulated all purpose Surface cleaner and deodorizer.

Restricted Use: This product is not for human or animal use.

Manufacturer: PETRA TOOLS

Address: 411 N East. St., Carlisle, PA, 17013

Number: 800-613-6889

Emergency telephone

number: For emergencies involving spill, leak, fire, exposure or accident call
CHEMTREC (24hr) at (800) 424-9300

SECTION II – HAZARDS IDENTIFICATION

The following values are obtained using the guidelines prepared by the National Fire Protection Association (NFPA) and the American Coatings Association.

HMIS Rating:

Health = 0

Flammability = 0

Physical = 0

Reactivity = 0

NFPA/HMIS Definitions

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

Personal Protection Index: B (Eye Protection and Gloves)

Hazard Information Disclosures:

TSCA: All chemicals in this product are listed on the EPA TSCA inventory list.

CERCLA / SARA: This product does not fall under any hazardous categories under SARA Sections 311 and 312.

OSHA: This product is not a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR § 1910.1200.

SECTION III – COMPOSITION AND INFORMATION ON INGREDIENTS

Component(s)	CAS #
Water	7732-18-5
Hypochlorous Acid	7790-92-3

The product contains approximately 500ppm (0.05%) Free Available Chlorine(FAC)

SECTION IV – FIRST-AID MEASURES

Skin Contact: In case of contact, flush with plenty of water. Cold water may be used.
Eye Contact: Flush with fresh water if eye irritation occurs.
Inhalation: If breathing problems develop, move to fresh air.
Ingestion: Drink 8oz Glass of Water

SECTION V – FIRE-FIGHTING MEASURES

Not Applicable, this product is Non-Flammable and Non-Explosive. No extinguishing techniques or equipment are required.

SECTION VI – ACCIDENTAL RELEASE MEASURES

No personal protective equipment is required under normal conditions.

Methods for Containment and Cleanup: Product contains <0.9% sodium chloride(Salt) solution and <0.05% available chlorine. Many localities allow such concentrations to be sent to open storm sewers. Always follow local regulatory requirements. Solution can be washed to sewer with plenty of fresh water if desired.

SECTION VII – HANDLING AND STORAGE

Handling: No special handling requirements; follow use instructions on product label.
Storage: Keep the container tightly closed in a dry, cool and well-ventilated place at room temperature. Avoid freezing and extreme heat.
Incompatible Materials: Acids and Hydrogen Peroxide.

SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA PEL: Unknown.
Cal/OSHA PEL: Unknown.
NIOSH REL: Unknown.
ACGIH TLV: Unknown.

Engineering Control: None Required. Open air or good room ventilation is adequate for the safe use of this product.

Personal Protective Equipment (PPE):

Protective Clothing: None required under normal use.
Hand Protection: None required under normal use.
Eye Protection: None required under normal use.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear
Odor:	Faint Chlorine odor
pH:	6.1 - 7.2
Specific Gravity (H₂O = 1 at 20°C):	1.00 – 1.06
Density:	8.34 lbs/gal
Viscosity:	Comparable to Water
Boiling Point:	Comparable to Water
Melting Point / Range:	NA
Evaporation Rate:	Comparable to Water
Solubility:	Complete in Water
Flash Point:	NA
Flammability:	Non-Flammable
Explosive Limits:	Non-Explosive
Vapor Pressure (mmHg at 20°C):	NA
Vapor Density:	NA

SECTION X – STABILITY AND REACTIVITY

Reactivity:	Can be reactive to acid products and hydrogen peroxide.
Chemical Stability:	Stable under recommended handling and storage conditions.
Hazardous Reactions:	Product is Not Hazardous.
Conditions to Avoid:	Freezing and extreme heat. Accidental contact with acids and peroxide.
Materials to Avoid	Strong oxidizing agents, strong acids and organic materials.
Hazardous Decomposition Products:	None known based on information supplied.
Hazardous Polymerization	Will not occur.

SECTION XI – TOXICOLOGICAL INFORMATION

<u>Route of Entry / Exposure:</u>	Skin Contact
	Eye Contact
	Inhalation
	Ingestion

Potential Acute Health Effects:

Skin Contact:	No potential health effects; product is non hazardous.
Eye Contact:	No potential health effects; product is non hazardous.
Inhalation:	No potential health effects; product is non hazardous.
Ingestion:	No potential health effects; product is non hazardous.

Potential Chronic Health Effects:

Carcinogenic Effects:	Not Applicable.
Mutagenic Effects:	Not Applicable.
Teratogenic Effects:	Not Applicable.
Developmental:	Not Applicable.
Numerical Measures of Toxicity:	Unknown.

SECTION XII – ECOLOGICAL INFORMATION

Product presents no hazards to the environment. Product is biodegradable and eco friendly.

SECTION XIII – DISPOSAL CONSIDERATION

Product contains <0.9% sodium chloride(Salt) solution and <0.05% available chlorine. Many localities allow such concentrations to be sent to open storm sewers. Always follow local regulatory requirements. Solution can be washed to sewer with plenty of fresh water if desired.

SECTION XIV – TRANSPORTATION INFORMATION

DOT: Not DOT regulated. No DOT label required.
IATA: Not a dangerous good.
IMDG: Not a dangerous good
OSHA: No label required.

SECTION XV – REGULATORY INFORMATION

See “Hazard Information Disclosures” under Section II.

SECTION XVI – OTHER INFORMATION

Preparation Date of Latest Revision: 04-17-2020

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Abbreviations:

ACGIH:	American Conference of Industrial Hygienists
CAL/OSHA:	California Division of Occupational Safety and Health
CAS Number:	Chemical Abstracts Service Register Number
CERCLA:	Comprehensive Environmental Response Compensation and Liability Act
DOT:	Department of Transportation
EPA:	Environmental Protection Agency
GRAS:	Generally Recognized as Safe
HMIS:	Hazardous Materials Identification System
IATA:	International Air Transport Association
IMDG:	International Maritime Dangerous Goods
NA:	Not Applicable
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limits
REL:	Recommended Exposure Limits
SARA:	Superfund Amendment and Reauthorization Act of 1986
TLV:	Threshold Limit Values
TSCA:	Toxic Substances Control Act of 1976

End of Safety Data Sheet