AQUCOFFEESHOP LTD **SAFETY DATA SHEET**

This data sheet was prepared in conformity with the Globally Harmonized System as promulgated by European Directives (EC) No. 1272/2008 and 1907/2006/EC. and by Title 29 of the United States Code of Federal Regulations (CFR). Accordingly, it is only for informational purposes as intended thereby.

Legend pH Checker

Section 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Legend Glass Cleaner
OTHER PRODUCT NAMES: N/A
PRODUCT USE: solution to indicate change in pH.

SUPPLIER DETAILS

COMPANY NAME:	AQUACOFFEESHOP LTD
ADDRESS:	15 Hayfield Walk United Kingdom
TELEPHONE NUMBER FOR INFORMATION:	+447587075734
EMERGENCY TELEPHONE NUMBER:	+447587075734

DATE OF PREPARATION:	November 29, 2023
DATE OF LAST REVISION:	November 29, 2023

Section 2: HAZARDS IDENTIFICATION

The following information is provided for concentrated levels of this chemical mixture.
Classification of the Substance or Mixture:
Skin irritation (Category 3)
Eye irritation (Category 2A)
Risk Phrases: Symbol: Xi / R36/38: Irritating to eyes and skin.
Label Elements:
Trade Name: MICRO® A07 Citric Acid Cleaner
Signal Word: Warning
Hazard Statements:
H316: Causes mild skin irritation.
H320: Causes serious eye irritation.

Precautionary Statements:
P301+330: IF SWALLOWED: Rinse mouth.
P302+350: IF ON SKIN: Gently wash with soap and water.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Other Hazards: No data availabl

Section 3: COMPOSITION and INFORMATION ON INGREDIENTS

Components	CAS #	EC #	Wt %
Citric Acid	77-92-9	201-069-1	20 %
Water	7732-18-5	231-791-2	80%

Section 4: FIRST AID MEASURES

Inhalation: If exposed to excessive fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.
Ingestion: No specific treatment is necessary since MICRO A07 is unlikely to be hazardous by ingestion.
Skin Contact: Remove contaminated clothing. Gently wash skin with soap and water. Get medical attention if irritation develops or persists.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention if irritation develops or persists.

Section 5: FIRE-FIGHTING MEASURES

Fire: Not considered to be a fire hazard.
Explosion: Not considered to be an explosion hazard.
Fire Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Information: Hazardous decomposition products may be formed under fire conditions. Nature of decomposition products not known.
Advice for Firefighters: Wear self-contained breathing apparatus for fire-fighting if necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate personal protective equipment as specified in Section 8.
Environmental Precautions and Methods and Materials for Containment and Cleaning Up: Spills will present a slip hazard.
Clean up spills with absorbent material or mop.
Do not discharge to surface waterways. Dried MICRO A07 residue can be removed with warm water.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling and Conditions for Safe Storage, Including Any Incompatibilities: MICRO A07 should be stored in a cool place in its original container. Recommended storage temperature is 2 - 43°C. The shelf life of MICRO A07 is five years from the date of manufacture when stored in the original sealed container at the recommended storage temperature.
Advice on General Occupational Hygiene: Do not eat, drink and / or smoke in work areas; wash hands after use.
Specific End Uses: A 1% to 2% MICRO A07 solution is routinely used in immersion, CIP, ultrasonics, and manual washing applications to clean a variety of surfaces, including manufacturing tanks and equipment, precision parts, medical devices, filter membranes, glass, ceramic, and electronic

Section 8: EXPOSURE CONTROLS-PERSONAL PROTECTION

Exposure Limits: Contains no substances with occupational exposure limit values.
Ventilation System: Not necessary.
Personal Respirators: Not necessary.
Skin Protection: Rubber, nitrile, or latex gloves are recommended.
No additional protection is required.
Common sense chemical hygiene practices should be followed.
Eye Protection: Safety glasses with side-shields are recommended.

Section 9: PHYSICAL and CHEMICAL PROPERTIES

Appearance: Clear, pale yellow liquid
Odor: Mild Odor
Threshold: No information found
pH: 3.0 %
Volatiles by volume @ 21 °C (70 °F): < 2% (ASTM D2369-01)
Melting Point: No information found
Boiling Point / Boiling Range: ca.100 °C (212 °F)
Flash Point: Not applicable
Evaporation Rate (BuAc=1): Similar to water
Flammability: Not applicable Upper / Lower
Flammability or Explosive Limits: Not applicable
Vapor Pressure (mm Hg): Similar to water
Vapor Density (Air=1): Similar to water
Relative Density: 1.140 g/mL

Solubility: Soluble Partition
Coefficient: n-octanol / water: Not determined
Auto-ignition Temperature: No information found
Decomposition Temperature: No information found
Viscosity: 20 cps
Explosive Properties: Not considered to be an explosion hazard
Oxidizing Properties: No information found

Section 10: STABILITY and REACTIVITY

Reactivity and / or Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions and Conditions to Avoid: Chlorine-based products.
Incompatible Materials: Avoid acrylic, polycarbonate, carbon steel and copper and its alloys. Do not mix with other cleaners.
Hazardous Decomposition Products: Not determined.

Section 11: TOXICOLOGICAL INFORMATION

Ingestion:	Non-toxic
Skin Contact:	Mildly irritating
Eye Contact:	Irritant
Chronic Exposure:	No data available
Aggravation of Pre-existing Conditions:	No data available
Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):	No data available
Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):	No data available

Numerical Measures of Toxicity:

NTP Carcinogen Database:

Ingredient	CAS No.	Known	Anticipated	IARC Category
Citric Acid	77-92-9	No	No	None
Water	7732-18-5	No	No	None

Acute Toxicity: Non-toxic: LD50 Oral - rat - > 5,000 mg/kg

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Persistence and Degradability:	All ingredients are biodegradable
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
Other adverse effects:	No data available
Results of PBT and vPvB Assessment:	According to the substances' SDSs, none are PBTs or a vPvBs.

Section 13: DISPOSAL CONSIDERATIONS

Offer surplus and non-recyclable solutions to a licensed disposal company.

Section 14: TRANSPORTATION INFORMATION

Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic):	Not regulated
Maritime Transport IMDG/GGVSea:	Not regulated
Air Transport ICAO-TI and IATA-DGR:	Not regulated

Section 15: REGULATORY INFORMATION

European Inventory of Existing Commercial Chemical Substances (EINECS)
The components of this product are on the EINECS inventory or are exempt from inventory.
USA
TSCA STATUS All ingredients are listed on the TSCA inventory
SARA TITLE III,302/303 EHS None
SARA TITLE III,304,HS None
SARA 311/312 Citric Acid: Acute Health Hazard
SARA TITLE III,313 None
CANADA
DSL / NDSL All ingredients are listed
WHMIS Classification D.2.B.
Chemical Safety Assessment: A Chemical Safety Assessment of citric acid has been prepared by its manufacturers.

Section 16: OTHER INFORMATION

Training Advice: Wearing cotton gloves is not recommended because they allow for a sustained, occluded chemical contact with the skin. Manual and ultrasonic cleaning methods are ideally suited for MICRO A07. Most applications work using 1% to 2% MICRO A07.

Additional Information: The above information is believed to be accurate but International Products Corporation (IPC) does not claim it to be all inclusive. It should only be used as a guide. It is provided for the purpose of hazard communication. It does not represent any guarantee of the properties of the product.

This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of Seachem Laboratories' knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either express or implied, are provided. The information contained herein relates only to this specific product. If this product is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

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ABBREVIATIONS AND DEFINITIONS

ACGIH American Conference of Governmental Industrial Hygienists
ADR The European Agreement Concerning the International Carriage of Dangerous Goods by Road (Economic Commission for Europe)
Autoignition Temperature Minimum temperature required to initiate combustion in air with no other source of ignition.
Biological Exposure Indices Reference values intended as guidelines for the evaluation of potential health hazards in the practice of industrial hygiene, published by the ACGIH. BEIs represent the levels of determinants that are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV.
CAL/OSHA The Division of Occupational Safety and Health for the State of California.

CAS # The Chemical Abstract Service Number that uniquely identifies each constituent.
CEPA Canadian Environmental Protection Act
CERCLA The United States Comprehensive Environmental Response, Compensation, and Liability Act, sometimes known as the Superfund Act
CFR The US Code of Federal Regulations
CSA The Canadian Standards Association
DOT The United States Department of Transportation
DSL/NDSL The Canadian Domestic/Non-Domestic Substances List
EC # Sometimes known as the EINECS # (European Inventory of Now-Existing Chemical Substances), which uniquely identifies each constituent.
Embryotoxin A chemical that causes damage to a developing embryo (i.e., within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines.
EN European standards for products and services by European Committee for Standardization (Comité Européen de Normalisation).

EPA The United States Environmental Protection Agency.
EPA Waste Number A code developed by the EPA to identify characteristics of hazardous waste (e.g., ignitability, corrosivity, reactivity, etc.)
EU European Union
EWC European Waste Catalogue, a publication of the European Union, which catalogs hazardous chemical wastes.
Flash Point Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable product with air.
HMIS Hazardous Materials Identification System, a rating system developed by the National Paint and Coating Association that has been adopted by industry to identify the degree of chemical hazards.
H-Phrase H320 Causes eye irritation
H-Phrase H335 May cause respiratory irritation
IARC International Agency for Research on Cancer, an agency of the World Health Organization.
IATA International Air Transport Association
IDLH Immediately Dangerous to Life and Health. This level represents a concentration from which one can escape within 30 minutes without suffering escape-preventing or permanent injury.
IMO International Maritime Organization
LD50 Lethal Dose 50%, or median lethal dose, the dose of a toxin, pathogen, or radiation required to kill half the members of a tested population after a specified test duration. The LD50 is frequently used as a general indicator of a substance's acute toxicity.
LEL Lower Explosive Limit, the lowest percent of vapor in air, by volume, that will explode

or ignite in the presence of an ignition source.
Mutagen A chemical that causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines.
NFPANational Fire Protection Association, which has established a rating system for chemical hazards.
NIOSH National Institute for Occupational Safety and Health, a Federal research agency focusing on occupational safety and health.
NTP National Toxicology Program, an agency of the Federal Department of Health and Human Services.
OSHA Occupational Safety and Health Administration, an agency of the United States Department of Labor.
PEL Permissible Exposure Limit. This has the exact same meaning as TLV, except that it is enforceable by OSHA.
REL Recommended Exposure Limit. This has the same meaning as TLV, but is a recommendation by NIOSH.
Reproductive Toxin Any substance which interferes in any way with the reproductive process. RID International Regulations Concerning the Carriage of Dangerous Goods by Rail
SARA Superfund Amendments and Reauthorization Act
SCBA Self-Contained Breathing Apparatus
STEL This is the 15-minute Short Term Exposure Limit reported under Threshold Limit Value and OSHA's Permissible Exposure Limit.
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Reproductive Toxin Any substance which interferes in any way with the reproductive process. RID International Regulations Concerning the Carriage of Dangerous Goods by Rail

SARA Superfund Amendments and Reauthorization Act

SCBA Self-Contained Breathing Apparatus

STEL This is the 15-minute Short Term Exposure Limit reported under Threshold Limit Value and OSHA's Permissible Exposure Limit.

TC Transport Canada

Teratogen A chemical that causes damage to a developing fetus, but the damage does not propagate across generational lines.

TLV Threshold Limit Value , the airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must also be considered. See the definitions of TWA and STEL.

TSCAThe United States Toxic Substances Control Act

TWA This is the 8-hour Time Weighted Average reported under Threshold Limit Value and OSHA's Permissible Exposure Limit.

UEL Upper Explosive Limit, the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

WHMIS Canadian Workplace Hazardous Materials Information System