



# MICRO-90<sup>®</sup>

## Concentrated Cleaning Solution

<p><b>1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE</b></p> <p><b>1.1 Product Identifier:</b> MICRO-90<sup>®</sup> Concentrated Cleaning Solution  <b>CAS Number:</b> Not applicable to mixtures  <b>EC Number:</b> Not applicable to mixtures  <b>REACH Registration Number:</b> Not applicable to mixtures  <b>Chemical Formula:</b> Not applicable to mixtures</p> <p><b>1.2 Relevant Identified Uses of the substance or mixture and uses advised against them:</b>  A water-based cleaning concentrate used on glass, ceramic, metals, filter membranes, and other surfaces.</p> <p><b>1.3 Details of the supplier of the safety data sheet:</b>  International Products Corporation  201 Connecticut Drive  Burlington, NJ 08016, USA  Tel: (609) 386-8770 / Fax: (609) 386-8438  E-mail: mkt@ipcol.com / Website: www.ipcol.com  EU Distributor:  International Products Corp.  Unit 5, Green Lane Business Park  238 Green Lane London, SE9 3TL, United Kingdom  Tel: 020-8857-5678 Fax: 020-8857-1313  E-mail: sales europe@ipcol.com</p> <p><b>1.4 Emergency Phone Number:</b> 24-Hour CHEMTREC Tel:  (800) 424-9300 (USA and Canada)  (703) 527-3887 (Calls from outside the USA)</p> <p><b>2. HAZARD(S) IDENTIFICATION</b></p> <p><b>2.1 Classification of the Substance or Mixture:</b></p> <p><b>2.1.1</b> GHS Classification in accordance with 29 CFR 1910 (OSHA):  This mixture is classified as a mild eye irritant.</p> <p><b>2.1.2</b> Classification according to the EC 1272/2008 (CLP):  This mixture is not classified as hazardous according to the CLP regulation.</p> <p><b>2.2 Label Elements:</b>  Signal Word: Warning  Hazard Statements: Not applicable.  Safety Statements: Not applicable.  Pictogram: Not applicable.  Precautionary Statements:  P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p><b>2.3 Other Hazards:</b>  None.</p> <p><b>3. COMPOSITION / INFORMATION ON INGREDIENTS</b></p> <p><b>3.1 Substances:</b> Not applicable</p> <p><b>3.2 Mixtures:</b>  No ingredients are present at concentrations above occupational exposure limits.</p> <table border="1"> <thead> <tr> <th>Ingredient</th> <th>CAS No.</th> <th>EC No.</th> <th>Index No.</th> <th>Range</th> </tr> </thead> <tbody> <tr> <td>Surfactants</td> <td>Mixture</td> <td>Mixture</td> <td>Mixture</td> <td>10 – 25%</td> </tr> <tr> <td>EDTA Na<sub>4</sub></td> <td>64-02-8</td> <td>200-573-9</td> <td>607-428-00-2</td> <td>10 – 25%</td> </tr> </tbody> </table> <p>This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).</p>	Ingredient	CAS No.	EC No.	Index No.	Range	Surfactants	Mixture	Mixture	Mixture	10 – 25%	EDTA Na <sub>4</sub>	64-02-8	200-573-9	607-428-00-2	10 – 25%	<p><b>4. FIRST AID MEASURES</b></p> <p><b>4.1 Description of first aid measures:</b>  Inhalation: No specific treatment is necessary since MICRO-90 is unlikely to be hazardous by inhalation.  Ingestion: Rinse mouth. Consult a physician.  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.</p> <p><b>4.2 Most important acute and delayed symptoms and effects:</b>  No data available.</p> <p><b>4.3 Indication of immediate medical attention and special treatment:</b>  Symptomatic treatment.</p> <p><b>5. FIRE-FIGHTING MEASURES</b></p> <p><b>5.1 Extinguishing media:</b>  Use extinguishing media appropriate for surrounding fire.</p> <p><b>5.2 Special hazards arising from the substance or mixture:</b>  Ambient fire may liberate hazardous vapors. In case of fire where water evaporates, vapors may include nitrogen oxides, carbon monoxide, carbon dioxide and sulfur dioxide.</p> <p><b>5.3 Advice for Firefighters:</b>  Wear self-contained breathing apparatus for fire-fighting.</p> <p><b>6. ACCIDENTAL RELEASE MEASURES</b></p> <p><b>6.1 Personal Precautions, Protective Equipment and Emergency Procedures:</b></p> <p><b>6.1.1</b> For non-emergency personnel:  Wear appropriate personal protective equipment as specified in Section 8.</p> <p><b>6.1.2</b> For emergency responders:  Remove persons to safety. Isolate hazard area and deny entry. Ventilate closed spaces before entering. Wear suitable protective equipment.</p> <p><b>6.2 Environmental Precautions:</b>  Do not allow to enter soil or surface waterways.</p> <p><b>6.3 Methods and materials for containment and cleaning up:</b>  Spills will present a slip hazard. Clean up spills with absorbent material or mop. Dried MICRO-90 residue can be removed with warm water.</p> <p><b>Reference to other sections:</b></p> <p><b>6.4</b> See Section 8 and 13.</p> <p><b>7. HANDLING AND STORAGE</b></p> <p><b>7.1 Precautions for Safe Handling:</b>  Protective Measures: Wear personal protective clothing. (See Section 8.) MICRO-90 requires no special ventilation.  Advice on General Occupational Hygiene: Do not eat, drink and / or smoke in work areas; wash hands after use.</p> <p><b>7.2 Conditions for safe storage:</b>  MICRO-90 should be stored in a cool place in its original container. Recommended storage temperature is 2–43°C (36–109°F). The shelf life of MICRO-90 is five years from the date of manufacture when stored in the original sealed container at the recommended storage temperature.</p> <p><b>7.3 Specific End Uses:</b> A 1% to 2% MICRO-90 solution is routinely used in ultrasonic tanks, immersion, CIP, and hand-washing applications to clean a variety of surfaces, including manufacturing tanks and equipment, precision parts, medical devices, filter membranes, glass, ceramic, and electronic</p>
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<p>7.3 components. Optimum cleaning can be achieved using distilled water as the diluent and heating the solution. Cleaning should be followed by a thorough rinse.</p> <p><b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b></p> <p><b>8.1 Control parameters:</b> Contains no substances with concentrations exceeding occupational exposure limit values.</p> <p><b>8.2 Exposure Controls:</b></p> <p><b>8.2.1 Engineering Controls:</b> Not necessary. Individual protection measures, such as personal protective equipment (PPE): Skin Protection: Rubber, nitrile, or latex gloves are recommended. Eye Protection: Safety glasses with side-shields are recommended.</p> <p><b>8.2.2 Other:</b> Common sense chemical hygiene practice should be followed.</p> <p><b>9. PHYSICAL AND CHEMICAL PROPERTIES</b></p> <p><b>9.1 Information on basic physical and chemical properties:</b> Appearance: Clear, colorless to pale yellow solution. Odor: Ammonia Odor Threshold: No information found. pH: 9.7 Melting Point / Freezing Point: ca. -8°C (18°F) Initial Boiling Point / Boiling Range: 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: 1.135 g/mL Solubility: Does not apply. Partition Coefficient: n-octanol / water: Not determined. Auto-ignition Temperature: No information found. Decomposition Temperature: No information found. Viscosity: 10 cps Explosive Properties: Not considered an explosion hazard. Oxidizing Properties: Does not apply.</p> <p><b>9.2 Other information:</b> % Volatiles by volume @110°C: &lt; 2% (ASTM D2369-01)</p> <p><b>10. STABILITY AND REACTIVITY</b></p> <p><b>10.1 Reactivity:</b> Stable under recommended storage conditions.</p> <p><b>10.2 Chemical Stability:</b> Stable under recommended storage conditions.</p> <p><b>10.3 Possibility of Hazardous Reactions:</b> Chlorine-based products.</p> <p><b>10.4 Conditions to Avoid:</b> Do not mix with other cleaners.</p> <p><b>10.5 Incompatible Materials:</b> Sodium hypochlorite; heated contact may etch zinc, aluminum, nickel, and copper and its alloys; MICRO-90 may craze polycarbonate and polymethyl methacrylate.</p> <p><b>10.6 Hazardous Decomposition Products:</b> Does not decompose when used as intended. In case of fire where water evaporates, vapors may include nitrogen oxides, carbon monoxide, carbon dioxide and sulfur dioxide.</p> <p><b>11. TOXICOLOGICAL INFORMATION</b></p> <p><b>11.1 Information on toxicological effects:</b> Acute Toxicity: Non-toxic – LD50 Oral – rat &gt; 5g/kg Skin Corrosion / Irritation: Not an irritant.</p>	<p>Serious eye damage/Irritation: Not an irritant. Respiratory or Skin sensitization: No data available. Germ Cell Mutagenicity: No data available. Carcinogenicity: No data available. Reproductive toxicity: No data available. STOT – single exposure: No data available. STOT – repeated exposure: No data available. Aspiration Hazard: No data available</p> <p><b>12. ECOLOGICAL INFORMATION</b></p> <p><b>12.1 Toxicity:</b> No data available.</p> <p><b>12.2 Persistence &amp; Degradability:</b> EDTA is not biodegradable.</p> <p><b>12.3 Bioaccumulative Potential:</b> No data available.</p> <p><b>12.4 Mobility in Soil:</b> No data available.</p> <p><b>12.5 Results of PBT and vPvB Assessment:</b> This mixture does not meet the PBT/vPvB criteria of REACH, Annex XIII.</p> <p><b>12.6 Other adverse effects:</b> No data available.</p> <p><b>13. DISPOSAL CONSIDERATIONS</b></p> <p><b>13.1 Waste treatment methods:</b> Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated Packaging: Follow local regulations. European Waste Code: 16 03 06</p> <p><b>14. TRANSPORT INFORMATION</b></p> <p><b>14.1 UN Number:</b> Not applicable.</p> <p><b>14.2 UN Proper Shipping Name:</b> Not applicable.</p> <p><b>14.3 Transport hazard class:</b> Not applicable.</p> <p><b>14.4 Packing Group:</b> Not applicable.</p> <p><b>14.5 Environmental Hazards:</b> Not a marine pollutant.</p> <p><b>14.6 Special Precautions for use:</b> Not applicable.</p> <p><b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b> Not applicable.</p> <p><b>15. REGULATORY INFORMATION</b></p> <p><b>15.1 Safety, health, and environmental regulations/legislations specific to the substance or mixture:</b></p> <p>USA TSCA STATUS All ingredients are listed on TSCA inventory SARA TITLE III,302/303 EHS None SARA TITLE III,304,HS None SARA 311/312 None SARA TITLE III,313 None</p> <p>CANADA DSL All ingredients are listed WHMIS Classification Not controlled European Inventory of Existing Commercial Chemical Substances (EINECS) The components of this product are on the EINECS inventory or are exempt from inventory. Germany – Water Hazard Class I</p> <p>JAPAN Pollution Release and Transfer Register 6.5% n-alkylbenzenesulfonic acid and its salts (alkyl C=10-14)</p> <p><b>15.2 Chemical Safety Assessment</b> No chemical safety assessment has been carried out by the manufacturer.</p> <p><b>16. OTHER INFORMATION</b></p> <p><b>Additional Information:</b> 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.</p>
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