



# 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>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>2. HAZARD(S) IDENTIFICATION</b></p> <p><b>2.1 Classification of the Substance or Mixture:</b></p> <p><b>2.1.1 GHS Classification in accordance with 29 CFR 1910 (OSHA):</b>  This mixture is classified as a mild eye irritant.</p> <p><b>2.1.2 Classification according to the EC 1272/2008 (CLP):</b>  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>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 For non-emergency personnel:</b>  Wear appropriate personal protective equipment as specified in Section 8.</p> <p><b>6.1.2 For emergency responders:</b>  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>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" data-bbox="154 1575 779 1680"> <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>	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>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>
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EDTA Na <sub>4</sub>	64-02-8	200-573-9	607-428-00-2	10 – 25%												
<p>This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).</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>															

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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters:

Contains no substances with concentrations exceeding occupational exposure limit values.

### 8.2 Exposure Controls:

#### 8.2.1 Engineering Controls: 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.

#### 8.2.2 Other: Common sense chemical hygiene practice should be followed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

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.

### 9.2 Other information:

% Volatiles by volume @110°C: < 2% (ASTM D2369-01)

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity: Stable under recommended storage conditions.

### 10.2 Chemical Stability: Stable under recommended storage conditions.

### 10.3 Possibility of Hazardous Reactions: Chlorine-based products.

### 10.4 Conditions to Avoid: Do not mix with other cleaners.

### 10.5 Incompatible Materials: Sodium hypochlorite; heated contact may etch zinc, aluminum, nickel, and copper and its alloys; MICRO-90 may craze polycarbonate and polymethyl methacrylate.

### 10.6 Hazardous Decomposition Products: 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.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

Acute Toxicity: Non-toxic – LD50 Oral – rat > 5g/kg

Skin Corrosion / Irritation: Not an irritant.

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

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity: No data available.

### 12.2 Persistence & Degradability: EDTA is not biodegradable.

### 12.3 Bioaccumulative Potential: No data available.

### 12.4 Mobility in Soil: No data available.

### 12.5 Results of PBT and vPvB Assessment: This mixture does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6 Other adverse effects: No data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

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

Contaminated Packaging: Follow local regulations.

European Waste Code: 16 03 06

## 14. TRANSPORT INFORMATION

### 14.1 UN Number: Not applicable.

### 14.2 UN Proper Shipping Name: Not applicable.

### 14.3 Transport hazard class: Not applicable.

### 14.4 Packing Group: Not applicable.

### 14.5 Environmental Hazards: Not a marine pollutant.

### 14.6 Special Precautions for use: Not applicable.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

## 15. REGULATORY INFORMATION

### 15.1 Safety, health, and environmental regulations/legislations specific to the substance or mixture:

#### 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

#### 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

#### JAPAN

Pollution Release and Transfer Register

6.5% n-alkylbenzenesulfonic acid and its salts (alkyl C=10-14)

### 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out by the manufacturer.

## 16. OTHER INFORMATION

**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.

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