



## Quick Identifier

(as used in label and list)  
915E Cleaning Fluid

# Safety Data Sheet

## Section 1

## Product and Company Identification

### Common Name

915E Cleaning Fluid

### Product Model Number

915E

### Product File Number

920:405-915E-9

### Product Use

Glass Cleaner

### Manufacturer's Name

International Products Corporation  
"Micro-90®"

### Emergency Phone Numbers

1-800-255-3924 (US), + 01 813 248 0585 (International)

### Address

10920 Madison Ave.

### Engineering Control Data

MSDS - A35805-2, Rev. M, EO 7519  
Drawing - A34189

### City, State, Zip

Cleveland, Ohio 44102

### Date Prepared

13-Nov-2015

## Section 2

## Hazards Identification

### OSHA/HICS status:

- The following information is provided for concentrated levels of this chemical nature.
- This SDS should be retained and available for employees and other users of this product.

### Classification of the Substance or mixture:

Mild Eye Irritant Category 2B.

### Label Elements

#### Trade Name:

MICRO-90® Concentrated Cleaning Solution

#### Signal Word:

WARNING.

#### Hazard Statements:

H320: Causes eye irritation.

### Precautionary statements

#### General:

- Read label before use.
- Keep out of reach of children.
- If medical advice is needed, have product container or label at hand.

#### Prevention:

Gloves and safety glasses are recommended.

<b>Response:</b>	<b>P305 + P351 + P338: If in eyes:</b> <ul style="list-style-type: none"> <li>• Rinse cautiously with water for several minutes.</li> <li>• Remove Contact lens, if present and easy to do.</li> <li>• Continue rinsing.</li> </ul>
<b>Storage:</b>	Not applicable.
<b>Disposal:</b>	Not applicable.
<b>Hazards not otherwise classified:</b>	No data available.

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## Section 3 Composition/Information on Ingredients

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<b>Substance/mixture:</b>	Mixture.
<b>Synonyms:</b>	None.
<b>Molecular weight:</b>	Not applicable to mixtures.

Ingredient:	CAS No.	EC No.	Index No.	Range
Surfactants	Mixture	Mixture	Mixture	10 % to 25 %
EDTA Na4	64-02-8	200-573-9	607-428-00-2	10 % to 25 %

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## Section 4 First Aid Measures

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<b>Eye contact:</b>	<ul style="list-style-type: none"> <li>• Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.</li> <li>• Get medical attention immediately.</li> </ul>
<b>Inhalation:</b>	<ul style="list-style-type: none"> <li>• If exposed to excessive fumes, remove to fresh air.</li> <li>• Get medical attention if cough or other symptoms develop.</li> </ul>
<b>Skin contact:</b>	<ul style="list-style-type: none"> <li>• Remove contaminated clothing.</li> <li>• Gently wash skin with soap and water.</li> <li>• Get medical attention if irritation develops or persists.</li> </ul>
<b>Ingestion:</b>	<ul style="list-style-type: none"> <li>• Call physician if pain or discomfort develops.</li> <li>• Treat symptomatically.</li> </ul>

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## Section 5 Fire Fighting Measures

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<b>Fire:</b>	Not considered to be a fire hazard.
<b>Explosion:</b>	Not considered to be an explosion hazard.
<b>Extinguishing media:</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special Information:</b>	<ul style="list-style-type: none"> <li>• Hazardous decomposition products may be formed under fire conditions.</li> <li>• Nature of Decomposition products not known.</li> </ul>
<b>Advice for Firefighters:</b>	Wear self-contained breathing apparatus for fire-fighting if necessary.

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## Section 6

## Accidental Release Measures

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### 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-90® residue can be removed with warm water.
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## Section 7

## Handling and Storage

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### Precautions for safe handling:

- MICRO-90® should be stored in a cool place in its original container.
- Recommended storage temperature is 2 °C to 43 °C (36 °F to 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.

### Advice on General Occupational hygiene:

- Do not eat, drink and/or smoke in work areas; wash hands after use.

### Specific End users:

- 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 components.
- Optimum cleaning can be achieved using distilled water as the diluent and heating the solution.
- Cleaning should be followed by a thorough rinse.

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## Section 8

## Exposure Controls/Personal Protection

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### 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.

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## Section 9

## Physical and Chemical Properties

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<b>Appearance:</b>	Clear, colorless to pale yellow solution.
<b>Odor:</b>	Ammonia.
<b>Odor threshold:</b>	No information found.
<b>pH:</b>	9.7
<b>% Volatiles by volume:</b>	At 21 °C (70 °F) < 1 % (ASTM D2369-01)
<b>Melting point:</b>	ca. -8 °C (18 °F)
<b>Boiling point/Boiling Range:</b>	ca. 100 °C (212 °F)
<b>Flash point:</b>	Not applicable.
<b>Evaporation rate (BuAc=1):</b>	Similar to water.
<b>Flammability:</b>	Not applicable.
<b>Upper/Lower Flammability or Explosive Limits:</b>	Not applicable
<b>Vapor pressure (mmHg):</b>	Similar to water.
<b>Vapor density (Air=1):</b>	Similar to water.
<b>Relative density:</b>	1.135 g/mL
<b>Solubility:</b>	Soluble.
<b>Partition coefficient:</b>	n-Octanol / water: Not determined.
<b>Autoignition temperature</b>	No information found.
<b>Decomposition temperature</b>	No information found.
<b>Viscosity</b>	10 cps
<b>Explosive properties:</b>	Not considered to be an explosive hazard.
<b>Oxidizing properties:</b>	No information found.

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## Section 10

## Stability and Reactivity

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<b>Reactivity and/or Chemical stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions and conditions to avoid:</b>	Chlorine-based products.
<b>Incompatible materials:</b>	<ul style="list-style-type: none"><li>• Sodium Hypochlorite; Heated contact may etch Zinc, Aluminum, Copper and Nickel;</li><li>• MICOR-90® residue may craze polycarbonate and polymethyl methacrylate.</li><li>• Do not mix with other cleaners.</li></ul>
<b>Hazardous decomposition products:</b>	<ul style="list-style-type: none"><li>• Hazardous decomposition products may be formed under fire conditions.</li><li>• Nature of decomposition products not known.</li></ul>

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## Section 11

## Toxicological Information

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<b>Acute toxicity:</b>	Non-toxic
<b>Inhalation:</b>	No data available.
<b>Skin contact:</b>	Not an irritant.
<b>Eyes contact:</b>	Mildly irritating.
<b>Chronic exposure:</b>	No data available.
<b>Aggravation of pre-existing conditions:</b>	No data available.
<b>Specific target organ toxicity – single exposure (Globally Harmonized System):</b>	No data available.
<b>Specific target organ toxicity – repeated exposure (Globally Harmonized System):</b>	No data available.

### Numerical measures of toxicity: NTP Carcinogen Database:

<b>Ingredient:</b>	<b>CAS No.</b>	<b>Known</b>	<b>Anticipated</b>	<b>IARC</b>
EDTA Na4	64-02-8	No.	No.	None.
Surfactants	Mixture	No.	No.	None.

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## Section 12

## Ecological Information

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<b>Ecotoxicity:</b>	No data available.
<b>Persistence and degradability:</b>	EDTA and its salts are not biodegradable.
<b>Bioaccumulative potential:</b>	No data available.
<b>Mobility in soil:</b>	No data available.
<b>Other adverse effects:</b>	No data available.
<b>Results of PBT and vPvB Assessment:</b>	According to the substances' SDSs, none are PBTs or a vPvBs.

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## Section 13

## Disposal Considerations

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<b>Disposal methods:</b>	<ul style="list-style-type: none"><li>• MICRO-90® contains an EDTA salt, which enhances the transport of pollutant metals through wastewater treatment plants.</li><li>• Offer surplus and non-recyclable solutions to a licensed disposal company.</li></ul>
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## Section 14

## Transport Information

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**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.

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## Section 15

## Regulatory Information

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### European Union

**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:** None.

**SARA TITLE III,313** None.

### Canada

**DSL/NDSL:** All ingredients are listed.

**WHMIS Classification:** D.2.B.

### Japan

**Pollution Release and Transfer Register:** 6.5 % n-alkylbenzenesulfonic acid and its salts (alkyl C=10-14)

**Chemical Safety Assessment:** A chemical safety assessment of EDTA and its salts has been prepared by its manufacturers.

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## Section 16

## Other Information

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### 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-90®.
- Most applications work using 1 % to 2 % MICRO-90®.
- Heat will improve the detergency of the MICRO-90® solution.
- Chelant and metal recovery methods are available from the manufacturer.

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## Disclaimer of Liability

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