

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT AND COMPANY IDENTIFICATION

COMMON NAME

915E Cleaning Fluid

PRODUCT FILE NUMBER

920:405-915E-9

MANUFACTURER'S NAME

International Products Corporation

"Micro-90®"

ADDRESS

201 Connecticut Drive

CITY, STATE, ZIP

Burlington, NJ 08016

PRODUCT MODEL NUMBER

915E

PRODUCT USE

Glass Cleaner

EMERGENCY PHONE NUMBERS

1-800-424-9300 (US), 1-703-527-3887 (International)

ENGINEERING CONTROL DATA

MSDS - A35805-2, Rev. J, EO 6445

Drawing – A34189

DATE PREPARED

7-07-08

SECTION II HAZARDS IDENTIFICATION

ACUTE

EYES

Irritant per USA-FHSA criteria. Not an irritant per OECD Guideline No. 405 (EEC. Canada).

SKIN CONTACT

Not an irritant per USA-FHSA or OECD Guideline No. 404 (EEC. Canada).

INGESTION

Non-toxic: LD50 > 5 g/kg. Ingestion of very large quantities may cause hypocalcemic tetany.

INHALATION

Prolonged exposure may cause slight nose and throat irritation.

CHRONIC

CHRONIC EFFECTS OF EXPOSURE

None known, but unnecessary exposure to any chemical should be avoided.

SECTION III COMPOSITION/INFORMATION ON INGREDIENTS

None of the ingredients are listed on OSHA's hazardous substance list. However, the following composition information is provided for medical reference purposes.

Water	CAS# 7732-18-5
Glycine, N,N' -1,2-ethanediybis-(N-(carboxmethyl)- tetra-sodium salt,	CAS# 64-02-8
Benzenesulfonic acid, dimethyl-, ammonium salt	CAS# 26447-10-9
Benzenesulfonic acid, dodecyl-,cpd. with 2,2' ,2"-nitrilotris-(ethanol)	CAS# 27323-41-7
Poly(oxy-1,2-ethanediyl),alpha-(undecyl)- omega-hydroxy	CAS# 34398-01-1

SECTION IV FIRST AID MEASURES

EYES

Flush with clean, lukewarm water (low pressure) for at least 15 minutes holding eyelids open. Do not attempt to neutralize with chemical agent. Contact a physician immediately.

SKIN CONTACT

Remove contaminated clothing and wash off skin with soap and water. Wash contaminated clothes. If irritation develops, contact a physician.

INHALATION

Remove person from contaminated area to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. Get medical attention.

INGESTION

DO NOT INDUCE VOMITING. Give several glasses of water for dilution effect and contact a physician.

SECTION V FIRE FIGHTING MEASURES

FLASH POINT

Noncombustible

METHOD USED

FLAMMABLE LIMITS (in Air % by Vol.)

LEL

UEL

NA NA

AUTO-IGNITION TEMPERATURE

NA

EXTINGUISHER MEDIA

Aqueous product - does not burn. For fires involving dried material, use dry chemical, carbon dioxide, foam or water.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters subject to decomposition products of dried material should use self-contained breathing apparatus. Cool containers exposed to flames with water. Fire water run-off should be diverted from adjacent waterways.

UNUSUAL FIRE AND EXPLOSION HAZARDS

NA

SECTION VI ACCIDENTAL RELEASE MEASURES

RESPONSE TO SMALL SPILLS

Absorb with non-combustible absorbent material. Dispose of properly, prevent from entering sewers. The product is a non-hazardous waste when spilled material is disposed of defined in Resource Conservation Recovery Act (RCRA) regulations (40CFR261).

WASTE DISPOSAL

Place in an appropriate disposal facility in compliance with Federal, State, and Local regulations.

SECTION VII HANDLING AND STORAGE

HANDLING AND STORAGE: Skin and eye contact should be avoided as good industrial practice. Wearing of protective gloves and eye protection is recommended. Wash hands and contaminated skin area after handling. Follow all warnings and precautions even after container is emptied. Wash thoroughly after handling or at the end of the shift.

OTHER PRECAUTIONS: Store in cool dry place away from strong oxidizers and acids. Keep container tightly closed when not in use. All handling equipment should be properly grounded to prevent the build-up of electrostatic charges. Storage area should be equipped with a CO2 system. Handle in accordance with good industrial hygiene and safety practices.

SECTION 7 NOTES: Containers should not be opened until ready for use.

SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION

Not typically required. If exposure exceeds permissible exposure limits wear a self-contained breathing apparatus in compliance with NIOSH/MSHA specifications. Comply with 29CFR 1910.134.

VENTILATION

General purpose commercial or industrial ventilation is adequate.

PROTECTIVE GLOVES

Chemical resistant gloves.

EYE PROTECTION

Wear chemical goggles if there is likelihood of contact with eyes.

ADDITIONAL PROTECTIVE CLOTHING OR EQUIPMENT

Eye wash fountains and safety showers should be available for emergency use.

SECTION IX PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT

212°F (100°C)

VAPOR DENSITY (AIR=1)

about same as water

EVAPORATION RATE

about same as water

APPEARANCE & ODOR

Pale yellow liquid, slight ammonia odor.

SPECIFIC GRAVITY (H₂O=1)

1.135 @ 25°C

SOLUBILITY IN WATER

Miscible

MELTING POINT

ca. 18°F (-8°C)

VAPOR PRESSURE (mmHg)

about same as water

REACTIVITY IN WATER

NA

pH

9.5

SECTION X STABILITY AND REACTIVITY

STABILITY

Stable

CONDITION TO AVOID

None

INCOMPATIBILITY (Materials to Avoid)

May etch zinc and aluminum. Do not mix with other cleaners. Mixing with chlorine-based cleaners may produce toxic gases.

HAZARDOUS DECOMPOSITION PRODUCTS

Not Known

HAZARDOUS POLYMERIZATION

Will not occur

CONDITIONS TO AVOID

NA

SECTION XI TOXICOLOGICAL INFORMATION

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program

NA

I.A.R.C. Monographs

NA

OSHA

NA

SECTION XII ECOLOGICAL INFORMATION

SECTION XIII DISPOSAL CONSIDERATIONS

Disposal: Dispose of all cleanup materials in accordance with all Local, State, and Federal regulations.

SECTION XIV TRANSPORT INFORMATION

Proper Shipping Name: N/A

Hazard Class or Division: N/A

Identification Number: N/A

Packing Group: N/A

Packing Authorization: N/A

IATA Packing Instructions: N/A

SECTION XV REGULATORY INFORMATION

According to definitions and limitations of the US Hazard Communication Standard, none of the ingredients are listed on the NTP, IARC, or OSHA carcinogen lists.

According to definitions and limitations of the Canadian WHMIS regulations, none of the ingredients are listed on the IARC or ACGIH carcinogen list.

SECTION XVI OTHER INFORMATION

- THIS PRODUCT IS FOR INDUSTRIAL AND LABORATORY USE ONLY.
- Do not store in open, unlabeled or mislabeled containers.
- Store in cool, dry place with adequate ventilation.
- Keep away from flames and high temperatures.
- For personal hygiene protection, we recommend that employees wash thoroughly after handling product. Always wash up before eating, smoking, and using toilet facilities.
- Keep out of reach of children.
- HMIS rating HEALTH - 2 FLAMMABILITY - 0 REACTIVITY - 0

DISCLAIMER OF LIABILITY

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of the results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. User of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS. It is the responsibility of the user to comply with all applicable federal, state, local laws and regulations.
