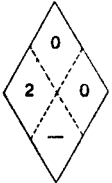


Approved: April 1, 1993

**NFPA**  
Flammability

Health  Reactivity

0 = Minimal Hazard  
4 = Severe Hazard

**MATERIAL SAFETY DATA SHEET**  
**International Products Corporation**

  
**CONCENTRATED CLEANING SOLUTION**

**HMIS**

Health - 2  
Flammability - 0  
Reactivity - 0  
Personal Protection - B

0 = Minimal Hazard  
4 = Severe Hazard

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME** ..... MICRO  
**CHEMICAL FAMILY** ..... Mixture  
**CHEMICAL NAME** ..... Concentrated Cleaning Solution  
**FORMULA** ..... Not Applicable

**MANUFACTURER:** International Products Corporation  
201 Connecticut Drive  
P.O. Box 70  
Burlington, NJ 08016-0070 USA

**EMERGENCY TELEPHONES:**  
Transportation: CHEMTREC (800)-424-9300  
(Calls within USA & Canada)  
(202) 483-7616  
(Calls from outside the USA)  
Nontransportation: (609) 386-8770

**3. Hazards Identification (continued)**

**ACUTE EYE CONTACT** ..... MICRO is considered an eye irritant  
**CHRONIC EYE CONTACT** ..... Not determined  
**ACUTE INGESTION** ..... Large amounts could cause cramps and muscle spasms  
**CHRONIC INGESTION** ..... Not determined  
**CARCINOGENICITY:**  
NTP ..... No ingredients are listed  
IARC ..... No ingredients are listed  
OSHA ..... Not regulated  
**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE** ..... Not determined

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients (CAS Names)	CAS Numbers
Water	7732-18-5
Glycine, N,N'-1,2-ethanediybis-(N-(carboxymethyl)-, tetrasodium salt	64-02-8
Benzenesulfonic acid, dimethyl-, ammonium salt	26447-10-9
Benzenesulfonic acid, dodecyl-, cpd. with 2,2',2"-nitrilotris (ethanol)	27323-41-7
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy branched	127087-87-0

**4. FIRST AID MEASURES**

**FIRST AID FOR 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

**FIRST AID FOR SKIN** ..... Wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse. If irritation develops, contact a physician

**FIRST AID FOR INHALATION** .... Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. Get medical attention

**FIRST AID FOR INGESTION** ..... If conscious, give several glasses of water for dilution effect and contact a physician. Do not induce vomiting

**3. HAZARDS IDENTIFICATION**

\* \* \* \* \*

**EMERGENCY OVERVIEW**

**5. FIRE FIGHTING MEASURES**

**FLASH POINT** ..... Not applicable. Nonflammable aqueous solution.

**EXTINGUISHING MEDIA** ..... Aqueous product. 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 wear self-contained breathing apparatus. Cool containers exposed to flames with water. Fire water run-off should be diverted from adjacent waterways

Pale yellow liquid with slight ammonia odor. Nonflammable aqueous solution. NFPA flammability rating of zero. Firefighters subject to products of combustion should wear self-contained breathing apparatus.

\* \* \* \* \*

**POTENTIAL HEALTH EFFECTS**

**ROUTE(S) OF ENTRY** ..... Inhalation, skin contact/absorption, eye contact, ingestion

**HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE** ..... Skin and eye contact may cause irritation. Inhalation from prolonged exposure to vapors may cause nose and throat irritation. Ingestion of large quantities could cause cramps and muscle spasms

**ACUTE INHALATION** ..... Prolonged exposure may cause nose and throat irritation

**CHRONIC INHALATION** ..... Not determined

**ACUTE SKIN CONTACT** ..... Prolonged contact may cause drying/chapping.

**CHRONIC SKIN CONTACT** ..... Not determined (continued)

**6. ACCIDENTAL RELEASE MEASURES:**

**SPILL OR LEAK PROCEDURES** ... Contain spilled liquid with sand, earth or other spill-containment devices available. Clean up spill immediately, observing precautions in the personal protection section of this MSDS. This product is a nonhazardous waste when spilled material is disposed of as defined in Resource Conservation and Recovery Act (RCRA) regulations (40CFR261)

## HANDLING AND STORAGE

STORAGE TEMPERATURE (MIN/MAX) ..... 41°F (5°C)/110°F (43°C)

SHELF LIFE ..... 1 year in original, sealed container at 68°F (20°C)

SPECIAL SENSITIVITY ..... None known

HANDLING AND STORAGE PRECAUTIONS ..... Do not store containers in direct sunlight. Store in cool, dry, well-ventilated area. Keep containers closed. Use only stainless steel, polyethylene or plastic-lined containers for storage. Do not store in contact with aluminum, zinc, copper or their alloys

## EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION REQUIREMENTS ..... Safety glasses or splash goggles. Contact lenses should not be worn

SKIN PROTECTION REQUIREMENTS ..... Chemical-resistant gloves

RESPIRATORY / VENTILATION REQUIREMENTS ..... General purpose commercial or industrial ventilation is adequate

EXPOSURE LIMITS ..... Not determined

## PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM ..... Liquid

COLOR ..... Pale Yellow

ODOR ..... Ammonia Odor

BOILING POINT ..... ca. 212°F (100°C)

MELT POINT / FREEZE POINT ..... ca. 18°F (-8°C)

pH ..... 9.7 (typical)

SOLUBILITY IN WATER ..... Miscible

SPECIFIC GRAVITY (water = 1) ..... 1.138 (typical)

## 10. REACTIVITY

STABILITY ..... Stable liquid

HAZARDOUS POLYMERIZATION ..... Will not occur

INCOMPATIBILITIES ..... May etch aluminum and zinc

DECOMPOSITION PRODUCTS ..... Not determined

## 11. TOXICOLOGY INFORMATION:

Eye: Irritant per OECD Guideline No. 405

Skin: Slightly irritating per OECD Guideline No. 404

Oral: LD<sub>50</sub> is greater than 5g/kg (rats)

## 12. ECOLOGICAL INFORMATION

Material is biodegradable. Contains no CFCs, VOCs, phosphates or silicates

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD ..... Waste must be disposed of in accordance with federal, state, and local environmental control regulations

## 14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING ..... Not regulated

TECHNICAL SHIPPING NAME ..... Liquid Detergent

D.O.T. HAZARD CLASS ..... None

U.N./N.A. NUMBER ..... None

PRODUCT WEIGHT (lbs.) ..... 16,000 lbs (1685 gallons)

D.O.T. LABEL ..... None

D.O.T. PLACARD ..... None

FREIGHT CLASS BULK ..... Not Applicable

FREIGHT CLASS PACKAGE ..... Class 55 - Liquid Detergent

PRODUCT LABEL ..... Concentrated Cleaning Solution

## 15. REGULATORY INFORMATION

TSCA STATUS ..... All ingredients are listed on the TSCA Inventory

CERCLA REPORTABLE QUANTITY ..... 16,000 lbs. (1685 gallons)

SARA TITLE III:  
SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES ..... None

SECTION 311/312 HAZARD CATEGORIES ..... Nonhazardous under Section 311/312

SECTION 313 TOXIC CHEMICAL ..... No MICRO ingredient present at 1% or more is contained in the SARA TITLE III, Section 313 list

RCRA STATUS ..... If discarded in its purchased form, this product would not be a hazardous waste, either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24)

## 16. STATE REGULATORY INFORMATION

For details on specific regulatory requirements, you should contact the appropriate agency in your state

## 17. OTHER INFORMATION

REASON FOR ISSUE ..... Update to new format.

PREPARED BY ..... L.J. Gilbert

APPROVED BY ..... L.J. Gilbert

TITLE ..... Vice President, Safety & Manufacturing

APPROVAL DATE ..... April 1, 1993

SUPERCEDES DATE ..... March 30, 1990

NOTE: All data presented here are for full-strength MICRO Concentrated Cleaning Solution. However, recommended usage is as a 2% solution.

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