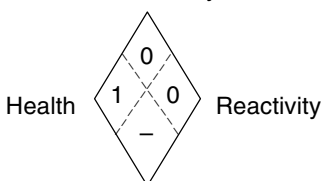


NFPA

Flammability



0 = Minimal Hazard
4 = Severe Hazard

MATERIAL SAFETY DATA SHEET* (MSDS)
International Products Corporation
**CONCENTRATED CLEANING SOLUTION****HMIS**

Health – 1
Flammability – 0
Reactivity – 0
Personal Protection – B

0 = Minimal Hazard
4 = Severe Hazard
B = Safety Glasses & Gloves

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME MICRO-90®
CHEMICAL FAMILY Mixture
CHEMICAL USE Concentrated Cleaning Solution
ISSUE DATE of MSDS August 1, 2002

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)
 (703) 527-3887
 (Calls outside the USA)

Nontransportation:
 Tel: (609) 386-8770
 Fax: (609) 386-8438

UK BRANCH:
 Unit 5, Green Lane Bus. Pk.
 238 Green Lane
 London, SE9 3TL, United Kingdom
 Tel: 020 – 8857-5678
 Fax: 020 – 8857-1313

4. FIRST AID MEASURES

EYE CONTACT Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.

SKIN CONTACT Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

INHALATION If exposed to excessive levels of fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.

INGESTION Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	EEC	
		Hazard Identity	Concentration Range (w/w)
Water	7732-18-5	-----	-----
Glycine, N,N'-1,2-ethanedithiolbis-(N-(carboxymethyl)-,tetra-sodium salt	64-02-8	Xi, R-36 R-38	less than 20%
Benzenesulfonic acid, dimethyl-, ammonium salt	26447-10-9	Xi, R-36 R-38	less than 20%
Benzenesulfonic acid, dodecyl-, cpd. with 2,2', 2"-nitrioltris (ethanol)	27323-41-7	Xi, R-36 R-38	less than 20%
Poly(oxy-1,2-ethanediyl), alpha-(undecyl)-omega-hydroxy	34398-01-1	Xi, R-36	less than 20%

3. HAZARDS IDENTIFICATION

* * * * *

EMERGENCY OVERVIEW

Pale yellow aqueous solution with a slight ammonia odor.
 Nonflammable aqueous solution. NFPA rating of zero.
 No immediate hazards associated with the product.

* * * * *

POTENTIAL HEALTH EFFECTS

EYE CONTACT Prolonged or repeated contact may cause irritation.

SKIN CONTACT Prolonged or repeated contact may cause irritation.

INHALATION Prolonged or repeated contact may cause irritation.

INGESTION No hazard in normal industrial use.

CARCINOGENICITY:
 NTP No ingredients are listed.
 IARC No ingredients are listed.
 OSHA No ingredients are listed.

CHRONIC EFFECTS Not determined.

TARGET ORGANS Not determined.

SIGNS AND SYMPTOMS Eye and skin irritation (redness or swelling)

* * * * *

POTENTIAL ENVIRONMENTAL EFFECTS

None known.

5. FIRE FIGHTING MEASURES

Nonflammable aqueous cleaner.

FLASH POINT None.

LFL Not applicable.

UFL Not applicable.

EXTINGUISHING MEDIA Use alcohol foam, carbon dioxide, or water spray to extinguish flames.

FIRE FIGHTING INSTRUCTION As in any fire, wear self-contained breathing apparatus, pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff may cause environmental damage. Dike and collect water used to fight fire.

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8 Personal Protection. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

HANDLING Avoid contact with eyes, skin and clothing. Use in a well-ventilated area.

STORAGE Store in a cool place in original container and protect from sunlight. Keep container closed when not in use. Use only stainless steel, polyethylene or plastic-lined containers for handling. Do not store in contact with aluminum, zinc, copper or their alloys.

SHELF LIFE One year from date of manufacture when stored in original sealed container at recommended storage temperature range.

STORAGE TEMPERATURE 5–43°C (41–110°F)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION			14. TRANSPORTATION INFORMATION		
ENGINEERING CONTROLS Good general ventilation should be sufficient to control airborne levels.			A. USA		
RESPIRATORY PROTECTION For most situations, no respiratory protection should be needed.			D.O.T. SHIPPING Not regulated.		
SKIN PROTECTION Wear chemical-resistant gloves.			TECHNICAL SHIPPING NAME . Liquid Detergent		
EYE PROTECTION Wear safety glasses with sideshields (or goggles). Contact lenses should not be worn.			D.O.T. LABEL None		
GENERAL HYGIENE CONSIDERATIONS There are no known health hazards associated with this material when used as recommended. The following general hygiene considerations are recognized as common, good industrial hygiene practices:			D.O.T. PLACARD (non-bulk) ... None		
.....			FREIGHT CLASS PACKAGE Class 55 - Liquid Detergent		
.....			PRODUCT LABEL Concentrated Cleaning Solution		
.....			B. CANADA: TDG Not regulated.		
.....			C. ENGLAND: APPROVED CARRIAGE LIST Not regulated.		
.....					
.....			15. REGULATORY INFORMATION		
.....			A. 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 TITLE III, 311/312 None.		
.....			SARA TITLE III, 313 None.		
.....			B. CANADA		
.....			DSL All ingredients are listed on the Domestic Substance List.		
.....			WHMIS Classification Not classified.		
.....			C. EC		
.....			EINECS All ingredients are listed.		
.....			D. CHIPS Not a significant eye irritant. Not a skin irritant.		
.....					
9. PHYSICAL AND CHEMICAL PROPERTIES			16. STATE REGULATORY INFORMATION		
APPEARANCE Yellow Liquid.			For details on specific requirements, you should contact the appropriate agency in your state.		
ODOR Ammonia Odor.					
pH (neat) ca. 9.5					
BOILING POINT ca. 100°C (212°F)					
FREEZING POINT ca. -8°C (18°F)					
SOLUBILITY IN WATER Complete					
SPECIFIC GRAVITY (water = 1) 1.135@25°C					
10. STABILITY AND REACTIVITY			17. OTHER INFORMATION		
STABILITY Stable Liquid.			PREPARED BY K. Wyrofsky, Vice President of Marketing		
HAZARDOUS POLYMERIZATION Will not occur.			APPROVED BY T. McGuckin, Director of Quality & Safety		
INCOMPATIBILITIES May etch aluminum and zinc. Do not mix with other cleaners. Mixing with chlorine-based cleaners may produce toxic gasses.			APPROVAL DATE August 1, 2002		
DECOMPOSITION PRODUCTS Not determined.			NOTE: All data presented here are for the full-strength product, unless otherwise noted. However, recommended usage is as a 1-2% w/w solution in water.		
11. TOXICOLOGICAL INFORMATION			While International Products Corporation believes the information contained herein to be true and accurate, it has relied on information provided by others. International Products Corporation makes no warranties, express or implied, as to the accuracy or adequacy of the information contained herein or with respect to the results to be obtained from the use of the product. International Products Corporation disclaims all liability with respect to the use of this product, including without limitation, liability for injury to the user or third-party persons.		
Eye: Irritant per USA-FHSA criteria. Not an Irritant per OECD Guideline No. 405.					
Skin: Not an irritant per USA-FHSA criteria. Not an irritant per OECD Guideline No. 404.					
Oral: LD ₅₀ is greater than 5g/kg (rats).					
12. ECOLOGICAL INFORMATION					
Contains no CFCs, ODCs, phosphates, silicates, borates, halogens, or phenols.					
13. DISPOSAL CONSIDERATIONS					
MICRO-90® is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.					
(Note: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.)					