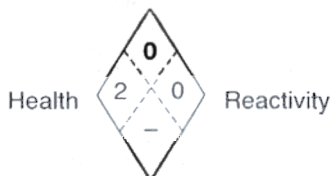


**NFPA**  
Flammability



0 = Minimal Hazard  
4 = Severe Hazard

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

**LF2100™**

*Liquid Low-Foam Cleaner*

**HMIS**

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

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

**1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME ..... LF2100™  
 CHEMICAL USE ..... Liquid Low-Foam Cleaner  
 CHEMICAL FAMILY ..... Mixture  
 ISSUE DATE OF MSDS ..... August 15, 2000  
**MANUFACTURER:** International Products Corporation  
 201 Connecticut Drive  
 P.O. Box 70  
 Burlington, NJ 08016-0070 USA  
 Tel: (609) 386-8770  
 Fax: (609) 386-8438  
 E-mail: mkt@ipcol.com  
**EMERGENCY TELEPHONES:**  
 Transportation:  
 CHEMTREC (800) 424-9300  
 (Calls within USA & Canada)  
 (703) 527-3887  
 (Calls outside the USA)  
 Non-transportation:  
 Tel: (609) 386-8770  
 Fax: (609) 386-8438

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Contains no hazardous ingredients in concentrations greater than 1%.  
 This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

**3. HAZARDS IDENTIFICATION**

\* \* \* \* \*

**EMERGENCY OVERVIEW**

A yellow solution that poses little or no immediate hazard. NFPA flammability rating of zero.

\* \* \* \* \*

**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.

**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. Never give anything by mouth to an unconscious person.

**5. FIRE FIGHTING MEASURES**

Nonflammable aqueous cleaner.  
**FLASH POINT** ..... None.  
**LFL** ..... None.  
**UFL** ..... None.  
**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 can 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 stainless steel, polyethylene, or plastic-lined containers for storage.  
**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

**ENGINEERING CONTROLS** ..... Good general ventilation should be sufficient to control airborne levels.

**RESPIRATORY PROTECTION** ..... For most situations, no respiratory protection should be needed.

**SKIN PROTECTION** ..... Wear chemical-resistant gloves.

**EYE PROTECTION** ..... Wear safety glasses with side shields (or goggles). Contact lenses should not be worn.

**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:

- Wash hands after use and before eating.
- Avoid breathing vapors.
- Wear safety glasses and gloves.

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**EXPOSURE LIMITS** ..... Not established for product as whole.

Ingredients	CAS #	ACGIH
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None established for individual components.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** ..... Yellow liquid.

**ODOR** ..... Mild, non-offensive.

**pH (neat)** ..... ca. 9.7

**BOILING POINT** ..... ca. 100°C (212°F)

**FREEZING POINT** ..... ca. -4°C (16°F)

**SOLUBILITY IN WATER** ..... Complete.

**SPECIFIC GRAVITY (water = 1)** ..... ca. 1.175 @ 25°C

## 10. STABILITY AND REACTIVITY

**STABILITY** ..... Stable liquid.

**HAZARDOUS POLYMERIZATION** ..... Will not occur.

**INCOMPATIBILITIES** ..... May etch aluminum and zinc.

**DECOMPOSITION PRODUCTS** ..... Not determined.

## 11. TOXICOLOGICAL INFORMATION

Eye: Not determined.

Skin: Not determined.

Oral: Not determined.

## 12. ECOLOGICAL INFORMATION

Contains no CFCs, phosphates, silicates, borates, halogens, or phenols.

## 13. DISPOSAL CONSIDERATIONS

LF2100™ 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: Adding chemicals, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.)

## 14. TRANSPORTATION INFORMATION

**A. USA:**

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

**TECHNICAL SHIPPING NAME** ... Liquid Detergent.

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

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

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

**PRODUCT LABEL** ..... Liquid Low-Foam Cleaner.

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

**WHMIS Classification** ..... Not classified.

**C. EC:**

**EINECS** ..... All ingredients are listed.

## 16. STATE REGULATORY INFORMATION

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

## 17. OTHER INFORMATION

**PREPARED BY** ..... K. Wyrofsky,  
Vice President of Marketing

**APPROVED BY** ..... T. McGuckin,  
Director of Quality & Safety

**APPROVAL DATE** ..... August 15, 2000

**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.

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