

Approved: October 15, 2009

**NFPA**  
Flammability

Health 1 Reactivity 0

0 = Minimal Hazard  
4 = Severe Hazard

**MATERIAL SAFETY DATA SHEET\* (MSDS)**  
**International Products Corporation**

**LF2100®**  
**Liquid Low-Foam Cleaner**

**HMIS**

Health – 1  
Flammability – 0  
Physical Hazards – 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** ..... October 15, 2009

**MANUFACTURER:**  
 International Products Corporation  
 201 Connecticut Drive  
 Burlington, NJ 08016, 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 from outside the USA)

Non-transportation:  
 Tel: (609) 386-8770  
 Fax: (609) 386-8438

**UK BRANCH:**  
 Unit 5, Green Lane Bus. Park  
 238 Green Lane  
 London, SE9 3TL, United Kingdom  
 Tel: 020 – 8857-5678  
 Fax: 020 – 8857-1313  
 E-mail: saleseurope@ipcol.com

**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** ..... No specific treatment is necessary since this material is not likely to be hazardous by ingestion. Call physician if pain or discomfort develops.

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Contains no hazardous ingredients in concentration 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.

**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.

**3. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW**  
 A clear solution that poses little or no immediate hazard.  
 NFPA flammability rating of zero.  
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**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).

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**POTENTIAL ENVIRONMENTAL EFFECTS**  
 None known.

**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** ..... Five years from date of manufacture when stored in original sealed container at recommended storage temperature range.

**STORAGE TEMPERATURE** ..... 5–43°C (41–110°F)

\*ANSI Z400.1-1998 format

## 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
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)** ..... 1.170@25°C

## 10. STABILITY AND REACTIVITY

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

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

**INCOMPATIBILITIES** ..... May etch aluminum, zinc, copper, and its alloys. May craze acrylic and polycarbonate if not wiped or rinsed off.

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

## 11. TOXICOLOGICAL INFORMATION

Eye: Not an irritant per WHMIS (Canada) and CHIPS (United Kingdom). Not an irritant per OECD Guideline No. 405.

Skin: Not an irritant per WHMIS (Canada) and CHIPS (United Kingdom). Not an irritant per OECD Guideline No. 404.

Oral: LD<sub>50</sub> is greater than 2000 mg/kg (rats) per OECD Guideline #401.

## 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: Chemical additions, 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, 313** ..... None.

### B. CANADA

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

**WHMIS Classification** ..... Not controlled.

### C. EC

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

**RoHS Directive** ..... LF2100 does not contain any ingredients listed in 2002/95/EC.

**REACH Directive** ..... All ingredients comply with EC 1907/2006.

**D. CHIPS** ..... Not classified.

## 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, President

**APPROVED BY** ..... T. McGuckin, Vice President of Quality & Safety

**APPROVAL DATE** ..... October 15, 2009

**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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