

## Material Safety Data Sheet

Product Code

**Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**  
 Product Name: Kellogg Pro Descaling Cleaner  
 HMTS Codes: 1 F R P

Supplier: OGI Professional  
 Product Division: Kellogg Central (USA) 1-800-222-222  
 PO Box 3659  
 Liberton, CO 80110 USA  
 ChemTrec: 800-424-9190  
 MSDS Preparation date: 5 July 2002  
 MSDS Revision date: 22 April 2003  
 By: L. Brown  
 MSDS Reviewed: 22 April 2003

**Section 2: COMPOSITION/INFORMATION ON INGREDIENTS**  
 General Description: Cleaner for can and siphon  
 Hazardous Ingredients: *Ingredients are generally considered safe for use in a residential setting.*

| CAS #    | Chemical Name             | % by Weight |
|----------|---------------------------|-------------|
| 506-99-8 | Urea monohydroxycarbonate | 5-12%       |
|          |                           |             |
|          |                           |             |
|          |                           |             |

**Section 3: HAZARDOUS IDENTIFICATION**  
 General: H2  
 Emergency: H2  
 Primary hazard(s) of Entry: Eye, Skin contact, Ingestion  
 Effects of Overexposure: Not a normal route of exposure, may cause breathing difficulty  
 Inhalation: May cause stomach distress, nausea or vomiting  
 Ingestion: May cause severe irritation  
 Effects of Overexposure-Eyes: May cause severe irritation  
 Effects of Overexposure-Skin: May cause irritation  
 Effects of Overexposure-Oral: None known  
 Hazards:

**Section 4: FIRST AID MEASURES**

- Skin: Flush with water. Wash with soap and water. Obtain medical attention if irritation persists. Wash contaminated clothing well before reuse.
- Eyes: Immediately flush with water for 15 minutes. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
- Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Obtain medical attention immediately. Never give anything by mouth. If victim is unconscious, is rapidly losing consciousness or is convulsing. Not a normal route of exposure. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

**Section 5: FIRE FIGHTING MEASURES**

Flammability and method used: Non-flammable  
 Auto-ignition temperature: NA  
 Flashpoint: NA  
 Extinguishing media: Treat for surrounding material

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**Section 6: ACCIDENTAL RELEASE MEASURES**  
 Spill or leak handling: Personal protective equipment  
 Fire fighters should wear self-contained breathing apparatus

Unusual fire and explosion hazards: Flammable contact on products - may reduce and are not limited to oxides of carbon.  
 Exclusion code: NA

**Section 6: ACCIDENTAL RELEASE MEASURES**  
 Personal protective equipment: gloves, safety glasses/goggles

Material release or spill: Small spills may be absorbed with non-flammable absorbent and placed in suitable covered, impervious containers. Prevent spill from entering sewers or waterways.  
 Other: NA

**Section 7: HANDLING AND STORAGE**  
 Storage: Keep out of reach of children. Store in closed container away from incompatible materials.  
 Precautions during handling and storage: Store in closed container away from incompatible materials

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**  
 Exposure controls: OSHA/NIOSH/MSDS - not applicable  
 Engineering controls: General ventilation normally adequate  
 Eye protection: Safety glasses  
 Protective clothing: Rubber gloves  
 Respiratory protection: Not normally required  
 Other PPE: As required by employer code.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

| Appearance:  | Color:    | Odor: | Boiling point: | Vapor pressure: | Flash point: | pH:  | Stability: | Incompatibility: | Decomposition: | Hazardous decomposition: |
|--------------|-----------|-------|----------------|-----------------|--------------|------|------------|------------------|----------------|--------------------------|
| Clear liquid | Colorless | None  | 100 deg C      | None            | None         | 7-11 | Stable     | None             | None           | None                     |
|              |           |       |                |                 |              |      |            |                  |                |                          |
|              |           |       |                |                 |              |      |            |                  |                |                          |
|              |           |       |                |                 |              |      |            |                  |                |                          |

**Section 10: STABILITY AND REACTIVITY**  
 Stability: Stable  
 Incompatibility: Oxidizers, reducers  
 End uses to avoid: May not be used in areas of carbon when treated to decompose  
 Hazardous decomposition: None

ORGANIC GUM

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| Section 11:                         | TOXICOLOGICAL PROPERTIES                             |
|-------------------------------------|--|
| Acute oral toxicity:                | Urea monohydrochloride: LD50 (rat, oral): 1.21 mg/kg |
| Cardiogenicity:                     | No *gradients listed by ACGIH, SARC or HTP           |
| Reproductive toxicity:              | ND   |
| Teratogenicity:                     | ND   |
| Mutagenicity:                       | ND   |
| Toxicological synergistic products: | ND   |

| Section 12:                  | ECOLOGICAL INFORMATION |
|------------------------------|------------------------|
| Persistence and degradation: | biodegradable          |
| Toxicity:                    | Aquatic toxicity: NA   |
| Other:                       | ND                     |

| Section 13: | DISPOSAL CONSIDERATIONS |
|-------------|-------------------------|
|-------------|-------------------------|

Disposal method: Dispose of in accordance with local, state and federal regulations.  
 Container disposal: Dispose of in accordance with local, state and federal regulations.

| Section 14:               | TRANSPORT INFORMATION             |                     |      |
|---------------------------|-----------------------------------|---------------------|------|
| DOT proper shipping name: | Not regulated for ground shipment | DOT technical name: | None |

|                            |   |                  |     |
|----------------------------|---|------------------|-----|
| DOT hazard class           | None  | Hazard subclass: | NA  |
| UN number: proper shipping | UN285, Corrosive  | Packing group:   | III |
| Name:                      | liquid, acidic, organic, non-flammable, Urea monohydrochloride) |                  |     |

| Section 15:                       | REGULATORY INFORMATION   |
|-----------------------------------|--|
| TCGA:                             | All ingredients are listed on the TCGA Inventory                               |
| DSL:                              | All ingredients are listed on DSL  |
| CFR/HA Haz Form 29 CFR 1910.1200: | MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200) |
| WHMIS Classification:             | ND   |
| CERCLA and SARA:                  | None listed  |

| Section 16:                         | OTHER INFORMATION  |                      |                    |
|-------------------------------------|--------------------|----------------------|--------------------|
| % Volatile Organic Compounds (VOCs) | 0                  |                      |                    |
| Ignitable:                          | NA, Not Determined | H.E. Not Established | NA, Not Applicable |

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