Section 1. Identification

Product name: KOCHKLEEN® UCII PF
Product Use Description: Cleaning Agent
Manufacturer/Importer/Supplier/Distributor Information
Company Name: John R Hess & Company, Inc.
Address: 400 Station St
Cranston, RI 02910
USA
Telephone: (401) 785-9300 (800) 556-4377
E-mail: custerv@jrhess.com
Emergency Phone Numbers
Chemtrec 1-800-424-9300 (Spill, Leak, Fire, Exposure, Accident)
+1 (703) 527-3887 (outside USA)

Section 2. Hazards Identification

GHS classification
- Acute toxicity - Oral: Category 4
- Serious Eye Damage: Category 1

GHS label elements

Hazard pictograms/symbols

Signal Word: Danger
Hazard Statements:
H302: Harmful if swallowed.
H318: Causes serious eye damage.

Precautionary Statements:
Prevention:
SAFETY DATA SHEET

P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P280: Wear eye protection/face protection.

Response:
P301+P312: If SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338: If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTRE or doctor/physician.
P330: Rinse mouth.

Disposal:
P501: Disposal of contents/container to be specified in accordance with regulations.

Hazards not otherwise classified:
Severe eye irritant. Moderate skin irritant.
Risk of serious damage to eyes.

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxyl-</td>
<td>34398-01-1</td>
<td>100 %</td>
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</tbody>
</table>

CHEMICAL FAMILY: Alcohol Ethoxylate

Section 4. First Aid Measures

General advice
Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

Eye contact
Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses.

Skin contact
Wash off immediately with plenty of water for at least 20 minutes. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.

Ingestion
Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.
Inhalation
   Move to fresh air.

Most important
   Eye disease. Skin disorders and Allergies.

Symptoms/effects
   Acute and delayed

Section 5. Fire-Fighting Measures

Suitable extinguishing media
   Alcohol-resistant foam.
   Carbon dioxide (CO2). Dry chemical.
   Dry sand. Limestone powder.

Specific hazards
   Incomplete combustion may form carbon monoxide. Burning produces noxious
   and toxic fumes. Downwind personnel must be evacuated.

Special protective equipment for fire-fighters
   Use personal protective equipment. Wear self-contained breathing apparatus for fire-fighting
   if necessary.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures
   Wear suitable protective clothing, gloves and eye/face protection. Use self-contained
   breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

Environmental precautions
   Construct a dike to prevent spreading. Construct a dike to prevent spreading.

Methods for cleaning up
   Contact Air Products’ Emergency Response Center for advice. Approach suspected leak
   areas with caution. Place in appropriate chemical waste container.

Additional advice
   If possible, stop flow of product.

Section 7. Handling and Storage

Handling
   Emergency showers and eye wash stations should be readily accessible. Adhere to work
   practice rules established by government regulations. Avoid contact with eyes. Use personal
   protective equipment. When using, do not eat, drink or smoke.
Storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8. Exposure Controls/Personal Protection

Engineering measures

Provide readily accessible eye wash stations and safety showers.
Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Personal protective equipment

Respiratory protection

Not required for properly ventilated areas.

Hand protection

Nitrile rubber.

Impervious gloves.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection

Chemical resistant goggles must be worn.

Skin and body protection

Long sleeve shirts and trousers without cuffs.

Environmental exposure controls

Construct a dike to prevent spreading.

Special instructions for protection and hygiene

Provide readily accessible eye wash stations and safety showers. Wash hands at the end of each work-shift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

Section 9. Physical and Chemical Properties

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<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Liquid, Colorless</td>
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<tr>
<td>Odor</td>
<td>Mild</td>
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<tr>
<td>Odor threshold</td>
<td>No data available</td>
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<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>39 °F (4 °C)</td>
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<tr>
<td>Boiling point/range</td>
<td>&gt; 572 °F (&gt; 300 °C)</td>
</tr>
<tr>
<td>Flash point</td>
<td>302 °F (150 °C)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
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</tbody>
</table>
Upper/lower explosion/flammbility limit Not applicable.
Vapor pressure 0.05 mmHg
Water solubility 9.4 g/l
Relative vapor density Not applicable.
Relative density 0.966
Partition coefficient (n-octanol/water) No data available.
Auto-ignition temperature No data available.
Decomposition temperature No data available.
Viscosity 18 mPa.s at 100 °F (38 °C)
Molecular Weight No data available.

Section 10. Stability and Reactivity

Chemical Stability
Stable under normal conditions.

Conditions to avoid
No data available.

Materials to avoid
Oxidizing agents.

Hazardous decomposition products
Carbon monoxide. Carbon dioxide (CO2).

Possibility of hazardous Reactions/Reactivity
No data available.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Likely routes of exposure

Effects on Eye: Severe eye irritation.

Effects on Skin: Causes skin irritation.

Inhalation Effects: No data available.

Ingestion Effects: No data available.

Symptoms: No data available.

Acute toxicity
Acute Oral Toxicity No data is available on the product itself.

Acute Oral Toxicity - Components Poly(oxy-1,2-ethanediyl), a-undecyl-w- hydroxy-, LD50: 1,000 - 2,000 mg/kg, Species: Rat.
Inhalation: No data is available on the product itself.
Acute Dermal Toxicity: LD50: > 2,000 mg/kg Species: Rabbit.

Skin corrosion/irritation: Moderate skin irritation.

Serious eye damage/eye irritation: Severe eye irritation.

Sensitization: No data available. Chronic toxicity or effects from long term exposures

Carcinogenicity: No data available.

Reproductive toxicity: No data is available on the product itself. Germ cell mutagenicity: No data is available on the product itself.

Specific target organ systemic toxicity (single exposure): No data available.

Specific target organ systemic toxicity (repeated exposure): No data available.

Aspiration hazard: No data available.

Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Eye disease., Skin disorders and Allergies.

Section 12. Ecological Information

Ecotoxicity effects

Aquatic toxicity: No data is available on the product itself.

Toxicity to fish – Components Poly(oxy-1,2-ethanediyl), a-undecyl-w- hydroxy-, LC50 (96 h): 1 - 10 mg/l Species: Fathead minnow (Pimephales promelas).

Toxicity to daphnia - Components Poly(oxy-1,2-ethanediyl), a-undecyl-w- hydroxy-, EC50 (48 h): 1 - 10 mg/l Species: Daphnia magna.

Toxicity to algae – Components Poly(oxy-1,2-ethanediyl), a-undecyl-w- hydroxy-, EC50 (96 h): 1 - 10 mg/l Species: Algae.

Toxicity to other organisms: No data available.

Persistence and degradability

Biodegradability: Readily biodegradable, as defined by OECD, substance that degrades > 60-70% within a 10-day window over 28 days.
Mobility: No data available.

Bioaccumulation: No data is available on the product itself.

**Section 13. Disposal Considerations**

Waste from residues/unused products: Contact supplier if guidance is required.

Contaminated packaging: Dispose of container and unused contents in accordance with federal, state, and local requirements.

**Section 14. Transport Information**

DOT
Not dangerous goods

IATA
Not dangerous goods

IMDG
Not dangerous goods

TDG
Not dangerous goods

Further Information
Not classified as dangerous in the meaning of transport regulations. The transportation information is not intended to convey all specific regulatory data relating to this material. For complete transportation information, contact an Air Products customer service representative.

**Section 15. Regulatory Information**

Toxic Substance Control Act (TSCA) 12(b) Component(s): None.

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification Acute Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level None.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)
This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

This product meets the criteria of the US EPA Design for Environment (DfE) Surfactant screen and is listed on CleanGredients.

**Section 16. Other Information**

**HMIS Rating**

<table>
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<th>Health</th>
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<tbody>
<tr>
<td>Flammability</td>
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<td>Physical hazards</td>
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Precedes: 06/30/2015

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