SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Krystal Hand Cleaner
PRODUCT USE: Hand cleaner
MANUFACTURED FOR: Warsaw Chemical Holdings LLC.
                 P.O. Box 858
                 Warsaw, IN 46581
INFORMATION PHONE: Tel: 1-800-548-3396
                    Fax: 1-574-267-3884
EMERGENCY PHONE: INFOTRAC
                  1-800-535-5053 USA & Canada
                  352-323-3500 International

SECTION 2 - HAZARD(S) IDENTIFICATION

CLASSIFICATION: Acute Toxicity - Oral: Category 4
                 Eye Damage: Category 2B
PICTOGRAMS:

GHS ELEMENTS:

SIGNAL WORD: Warning
HAZARD STATEMENT(S):
               H302 | Harmful if swallowed.
               H320 | Causes eye irritation.

PRECAUTIONARY STATEMENT(S):
               P264 | Wash any exposed body parts thoroughly after handling.
               P270 | Do not eat, drink or smoke when using this product.
               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.
               P330 | Rinse mouth.
               P337 + P313 | If eye irritation persists: Get medical advice/attention.
               P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

ADDITIONAL PRECAUTIONS: None Known

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT</th>
<th>CAS #</th>
<th>PERCENT</th>
</tr>
</thead>
</table>
**SECTION 4 - FIRST AID MEASURES**

**EYES:**
Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**SKIN:**
Wash skin surfaces thoroughly after contact. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if irritation develops.

**INHALATION:**
Move exposed person to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen clothing. Get medical attention immediately.

**INGESTION:**
Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**GENERAL:**
Physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist if large quantities have been inhaled or ingested.

See Section 11 for exposure symptoms.

**SECTION 5 - FIRE FIGHTING MEASURES**

**FLAMMABILITY:**
In a fire or if heated, a pressure increase will occur and the container may burst.

**EXTINGUISHING MEDIA:**
Use an extinguishing agent suitable for the surrounding fire.

**PROTECTIVE EQUIPMENT:**
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.
SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: No action should be taken involving individual risk or without suitable training. Isolate area. Avoid contact with material. Do not breathe vapors. Provide adequate ventilation. Wear proper personal protective equipment.

ENVIRONMENTAL: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product reaches sewers, waterways or soil.

CONTAINMENT/CLEANUP: Stop leak if without risk. Move containers from spill area. Contain or absorb with inert dry material. Dispose of according to local regulations. See Section 1 for emergency contact information and 13 for waste disposal.

SECTION 7 - HANDLING AND STORAGE

SAFE HANDLING: Wear appropriate personal protective equipment (see Section 8). Eating drinking and smoking should be prohibited. Do not get into eyes or on skin. Do not ingest. Keep containers tightly closed. Do not reuse container.

SAFE STORAGE: Store in accordance with local regulations. Store in original container away from foods, drink and incompatible materials. Keep container tightly closed. Do not store unlabeled. Use appropriate containment.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Apply technical measures to comply with occupational exposure limits. Mechanical ventilation, eyewash stations, showers where necessary.

EYE PROTECTION: Safety eye-wear/face shield complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

RESPIRATORY PROTECTION: Use a properly fitted air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates necessity. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product & the safe working limits of the chosen respirator.

HAND PROTECTION: 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.

SKIN PROTECTION: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>ACGIH TWA ppm</th>
<th>OSHA/NIOSH STEL ppm</th>
<th>OSHA/ACGIH STEL mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent</td>
<td>152.00</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Scrubber</td>
<td>15.00</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Scrubber</td>
<td>None</td>
<td>None</td>
<td>10.00</td>
</tr>
<tr>
<td>Nonylphenol ethoxylate</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Styrene/acrylic copolymers 40%</td>
<td>10.00</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>1,2 Propanediol</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>C9-11 Alcohol ethoxylate</td>
<td>10.00</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Potassium Hydroxide 45%</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Acrylic Polymer</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Fragance</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Quaternary Ammonium compound, Coco</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Glycerine</td>
<td>72.00</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>#328 Sunflower Yellow Dye</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Preservative</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Dye Basic Violet 10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Emulsion with grit  
**UPPER EXPLOSIVE LIMITS:** NA  
**COLOR:** Orange  
**LOWER EXPLOSIVE LIMITS:** NA  
**ODOR:** Sweet  
**VAPOR PRESSURE:** NA  
**ODOR THRESHOLD:** NA  
**VAPOR DENSITY:** NA  
**PH:** 08.1 - 10.0  
**RELATIVE DENSITY:** NA  
**MELTING POINT:** NA  
**SOLUBILITY:** Completely Water Soluble  
**FREEZING POINT:** 28.00 F  
**PARTITION COEFFICIENT:** NA  
**BOILING POINT:** NA  
**AUTO-IGNITION TEMPERATURE:** NA  
**FLASH PT METHOD:** NA  
**DECOMPOSITION TEMPERATURE:** NA  
**FLASH POINT:** NA  
**SPECIFIC GRAVITY:** 0.92500  
**EVAPORATION RATE:** NA  
**% VOLATILE:** 30.00000  
**FLAMMABILITY:** Nonflammable  
**VISCOSITY (cst):** NA

**SECTION 10 - STABILITY AND REACTIVITY**

**REACTIVITY:** HAZARDOUS DECOMPOSITION PRODUCTS
CHEMICAL STABILITY: Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS: Stable under normal conditions
CONDITIONS TO AVOID: None known
INCOMPATIBLE MATERIALS: Strong acids and oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

SECTION 11 - TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY:

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Absorption</th>
<th>Ingestion</th>
</tr>
</thead>
</table>

ACUTE EXPOSURE HAZARDS:

EYE CONTACT: Irritation
DERMAL: None expected.
ORAL: Nausea, diarrhea.
INHALATION: Minimally toxic based on test data for structurally similar materials.

Solvent (CAS No. 64742-47-8)
  Oral LD50: 15000 mg/kg
Nonylphenol ethoxylate (CAS No. 127087-87-0)
  Oral LD50: Rat 1600 mg/kg
Styrene/acrylic copolymers 40% (CAS No. Not Available)
  Oral LD50: Greater than 5,000mg/kg Rat
1,2 Propanediol (CAS No. 57-55-6)
  Oral LD50: Rabbit 20,000 mg/kg
C9-11 Alcohol ethoxylate (CAS No. 68439-46-3)
  Oral LD50: Rat greater than 5000mg/kg
Preservative (CAS No. N/E)
  Oral LD50: 66mg/kg rabbit
  Dermal LD50: 141mg/kg rat

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.
PERSISTENCE & DEGRADABILITY: No data available.
BIOACCUMULATIVE POTENTIAL: No data available.
MOBILITY IN SOIL: No data available.
OTHER ADVERSE EFFECTS: No data available.

C9-11 Alcohol ethoxylate (CAS No. 68439-46-3)
Fish LC50: Trout 2.4 mg/L 96h
Crustacean LC50: 1-10mg/L 48hrs Daphnia
Algae EC50: 1-10mg/L 72hrs.

Acrylic Polymer (CAS No. 9003-01-4)
Fish LC50: 580 mg/l Bluegill

Preservative (CAS No. N/E)
Fish LC50: 0.22mg/L 96h trout
Crustacean LC50: 6.76mg/L 48h daphnia

SECTION 13 - DISPOSAL CONSIDERATION

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of the product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 - TRANSPORT INFORMATION

DOT (US)

UN NUMBER: NA

SHIPPING NAME: NA

TECHNICAL NAME: NA

HAZARD CLASS: NA

PACKAGING GROUP: NA

SECTION 15 - REGULATORY INFORMATION

SARA 313 COMPONENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>% LESS THAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent</td>
<td>64742-47-8</td>
<td>10 - 20%</td>
</tr>
<tr>
<td>Potassium Hydroxide 45%</td>
<td>1310-58-3</td>
<td>&lt; 1.0%</td>
</tr>
<tr>
<td>Acrylic Polymer</td>
<td>9003-01-4</td>
<td>&lt; 1.0%</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>&lt; 1.0%</td>
</tr>
</tbody>
</table>

CALIFORNIA PROP. 65 COMPONENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>% LESS THAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonylphenol ethoxylate</td>
<td>127087-87-0</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Acrylic Polymer</td>
<td>9003-01-4</td>
<td>&lt; 1.0%</td>
</tr>
<tr>
<td>Quaternary Ammonium compound, Coco</td>
<td>68071-91-0</td>
<td>&lt; 1.0%</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>&lt; 1.0%</td>
</tr>
</tbody>
</table>
RTK: PA, NJ, MA
127087-87-0 Nonylphenol polyethylene glycol ether 90 - 100 %
25322-68-3 Polyethylene glycol 1 - 5 %
123-91-1 1,4-Dioxane 0 - 0.1 %
64-19-7 Acetic acid 0 - 0.1 %
75-21-8 Ethylene oxide 0 - 0.1 %
RTK: MA, PA, NJ,
WARNING! This product contains a chemical known to the State of California to cause cancer birth defects or other reproductive harm.
123-91-1 1,4-Dioxane 0 - 0.1 %
64-19-7 Acetic acid 0 - 0.1 %
75-21-8 Ethylene oxide 0 - 0.1 %
Styrene/Acrylic copolymer contain trace amount of methanol CAS# 67-56-1 known by the state of California to cause birth defects and other reproductive harm and is reportable under proposition 65.
RTK: PA, NJ
RQ 1,000 #
May contain reportable products,Benzene (CAS# 71-43-2) 0.1-0.5% and or Acrylic acid (CAS# 79-10-7) 0.1-0.5A%.
1,4 Dioxane (0.1%) known by the state of California to cause cancer, Ethylene Oxide (0.1%) known by the state of California to cause cancer, developmental and reproductive toxicity.
This product can expose you to Ethylene Glycol, which is known to the State of California to cause birth defects or other reproductive harm.

SECTION 16 - OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)

| Health Hazard | 1 |
| Fire Hazard | 0 |
| Reactivity | 0 |
| Personal Protection | A |

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks.

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)

Flammability

Health

Instability/Reactivity

Special

A Safety Glasses
B Safety Glasses, Gloves
C Safety Glasses, Gloves, Apron
D Face Shield, Gloves, Apron
E Safety Glasses, Gloves, Dust Respirator
F Safety Glasses, Gloves, Apron, Dust Respirator
G Safety Glasses, Gloves, Vapor Respirator
H Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
I Safety Glasses, Gloves, Dust & Vapor Respirator
J Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
K Airline Hood or Mask, Gloves, Full Suit, Boots
X Consult your supervisor for special handling directions
NFPA warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health, and reactivity hazards of chemicals.

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