

**MATERIAL SAFETY DATA SHEET**

Date: March 22, 2010

**PRODUCT IDENTIFICATION**

Trade Name: **RE-NU ALL PURPOSE KLEEN #0014**

Chemical / Common Name: Surfactant and Buffered Hydroxide / Degreaser

Manufacturer: RE-NU Chem. Co.  
Address: 2020 NW Aloclek Dr., Ste 124  
Hillsboro, OR. 97124  
Phone: 1-866-629-5969  
National Stock Number: 6850-01-434-4426

**II. HAZARDOUS INGREDIENTS**

Chemical Name	CAS Numbers	Exposure Limits in Air		
		ACGIH	OSHA	Other
Sodium Hydroxide	1310-73-2			
Potassium Hydroxide	1310-58-3			
Total % Hydroxide	1.43	N/A	N/A	

Balance of formula is proprietary and is of food grade materials

**III. PHYSICAL PROPERTIES**

Vapor density (air = 1): 0.5  
Specific gravity: 0.977  
Solubility in Water: Complete  
Vapor Pressure, mmHg at 20C: 46.0  
Appearance and Odor: Light Yellow Liquid, Clean Sweet Odor  
Boiling Point / Range, F: 220

**IV. FIRE AND EXPLOSION**

Flash point, F (given method): N/A  
Auto ignition temperature, F: N/A  
Flammable Limits in air, volume %: lower: NONE upper: NONE (H2O)  
Fire Extinguishing Materials:   X   Water Spray  
Unusual Fire and Explosion Hazards: None

**V. HEALTH HAZARD INFORMATION**

Symptoms of overexposure and first aid procedures:  
Inhaled: None  
Contact with skin/eyes: None, Flush with water for 15 minutes, if irritation persists, contact physician.  
Absorbed through skin: None.  
Swallowed: Nausea, contact a physician. Do not induce vomiting.  
Health Effects or Risks from Exposure Acute: No known effects Chronic: No known effects

SUSPECTED CANCER AGENT? No   X   :  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No Known Effects.  
RECOMMENDATIONS FOR PHYSICIAN: None  
Stability:   X   Stable \_\_\_ Unstable

**VI. REACTIVITY DATA**

Conditions to avoid: None Known  
Incompatibility (materials to avoid): None Known  
Hazardous Decomposition Products(Including combustion products): None  
Hazardous Polymerization: \_\_\_ May Occur   X   Will Not Occur  
Conditions to avoid: None Known

**VII SPILL, LEAK AND DISPOSAL PROCEDURES**

Spill Response Procedures (including employee protection measures): No protective measures needed. Flush down drain with large quantities of water. Observe all local, state and federal regulations.  
Preparing wastes for disposal (container types, neutralization, etc.): None  
\*\*Note: Dispose all wastes in accordance with federal, state and local regulations.

**VIII. SPECIAL HANDLING INFORMATION**

Ventilation and engineering controls: None Needed. Local Exhaust Adequate.  
Respiratory Protection: None Needed.  
Eye Protection (Type): None Needed.  
Gloves (Specify Material): None Needed.  
Other Clothing / Equipment: None Needed.  
Work Practices, Hygienic Practices: If sensitive skin, rubber gloves should be worn. If spraying overhead, wear goggles or face shield.  
Apply as instructed. Other Handling and Storage Requirements: Use normal storage and handling procedures. Irritant, keep out of reach of children.

**IX. LABELING**

Caution: May be irritant. Rinse with cold water. Do not take internally.  
D.O.T. Label\* This product may contain a trace amount of one or more of chemicals on the California list of known carcinogens or substances known to cause birth defects or reproductive harm. These are not added to the product but occur naturally in the raw or processing equipment.

**MATERIAL SAFETY DATA SHEET**

Date: March 22, 2010

**PRODUCT IDENTIFICATION**

Trade Name: **RE-NU METAL KLEEN #0012**

Chemical / Common Name: Citric Acid, Sodium Chloride and Silica Flour / Stainless Steel Cleaner

Manufacturer: RE-NU Chem Co.  
Address: 2020 NW Aloclek Dr., #124  
Hillsboro, OR. 97124  
Phone: 1-866-629-5969  
National Stock Number: #6850-01-434-6107

**II. HAZARDOUS INGREDIENTS**

Chemical Name	CAS Numbers	Exposure Limits in Air
		ACGIH OSHA Other
Gold Bond 400 Silica Flour	N/A	
Citric Acid Fine Food Grade	N/A	

**III. PHYSICAL PROPERTIES**

pH: 8 – 8.5 (10% Solution)  
Vapor density (air = 1): N/A  
Specific gravity: N/A  
Solubility in Water: Complete  
Vapor Pressure, mmHg at 20C: N/A  
Appearance and Odor: White Powder, No Odor  
Boiling Point / Range, F: N/A

**IV. FIRE AND EXPLOSION**

Flash point, F (given method): None, Non Combustible  
Auto ignition temperature, F: N/A  
Flammable Limits in air, volume %: lower: NONE upper: NONE  
Fire Extinguishing Materials:  X  Water Spray  
Unusual Fire and Explosion Hazards: None

**V. HEALTH HAZARD INFORMATION**

Symptoms of overexposure and first aid procedures:  
Inhaled: None. Contains Silica Flour, should be used wet as instructed. Should not inhale dry dust as it may cause irritation. No emergency care needed.  
Contact with skin/eyes: None. Flush with water for 15 minutes, if irritation persists, contact physician.  
Absorbed through skin: None. Rinse with water, apply hand cream to sensitive skin.  
Swallowed: None. Give large quantities of water. Do not induce vomiting.

Health Effects or Risks from Exposure Acute: No known effects Chronic: No known effects

SUSPECTED CANCER AGENT? No  X

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No Known Effects.

RECOMMENDATIONS FOR PHYSICIAN: None Stability:  X  Stable \_\_\_ Unstable

**VI. REACTIVITY DATA**

Conditions to avoid: None Known  
Incompatibility (materials to avoid): None Known  
Hazardous Decomposition Products (Including combustion products): None  
Hazardous Polymerization: \_\_\_ May Occur  X  Will Not Occur  
Conditions to avoid: Do not inhale in powder form as it may cause irritation.

**VII SPILL, LEAK AND DISPOSAL PROCEDURES**

Spill Response Procedures (including employee protection measures): No protective measures needed. Flush down drain with large quantities of water. Observe all local, state and federal regulations.

Preparing wastes for disposal (container types, neutralization, etc.): None

\*\*Note: Dispose all wastes in accordance with federal, state and local regulations.

**VIII. SPECIAL HANDLING INFORMATION**

Ventilation and engineering controls: None Needed. Local Exhaust Adequate.  
Respiratory Protection: None Needed.  
Eye Protection (Type): None Needed.  
Gloves (Specify Material): None Needed.  
Other Clothing / Equipment: None Needed.

Work Practices, Hygienic Practices: If sensitive skin, rubber gloves should be worn. If spraying overhead, wear goggles or face shield. Apply as instructed. Other Handling and Storage Requirements: Use normal storage and handling procedures. Irritant, keep out of reach of children.

**IX. LABELING**

Caution: May be irritant. Rinse with cold water. Do not take internally.  
D.O.T. Label\* This product may contain a trace amount of one or more of chemicals on the California list of known carcinogens or substances known to cause birth defects or reproductive harm. These are not added to the product but occur naturally in the raw or processing equipment.