



Nothing cleans like Citronol

## MATERIAL SAFETY DATA SHEET PINE GEL

No: PG 01  
 Date Issued: September 2012

### IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Name: Citronol Hand Cleaner PTY LTD  
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Trade Name: PINE GEL

### COMPOSITION / INFORMATION ON INGREDIENTS

Description: A proprietary blend in the form of a green gel.

INGREDIENTS	CAS NO.	%
Water	7732-18-5	>50%
Sulfonic Acid	6152-67-6	5-10%
Pine Oil	8002-09-3	5-10%
Urea	57-13-6	1-5%
Sodium Hydroxide	1310-73-2	1-5%
Colorant	-	<0.1%

ECC Classification: Not classified.

### HAZARDS IDENTIFICATION

Main Hazard: Irritant to the skin.  
 Biological hazard: The product is expected to be partially or slowly biodegradable.  
 Eye Contact: Irritating to eyes, avoid contact at all times.  
 Skin Contact: Prolonged or repeated contact may dry the skin and cause irritation.  
 Ingestion: Do not swallow. May cause gastrointestinal irritation.  
 Inhalation: Over exposure may result in mucous membrane irritation to nose and throat.

### FIRST AID

Eye Contact: Immediately flush opened eye with gently flowing water for at least 15 minutes. Get medical attention if irritation occurs.  
 Skin Contact: Rinse with soap and water and rinse thoroughly.  
 Inhalation: Supply fresh air. Essentially non-hazardous.  
 Ingestion: Rinse mouth with water. Do not induce vomiting. Consult

## CITRONOL HAND CLEANER (PTY) LTD

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medical practitioner if large amounts are ingested.

### **FIRE FIGHTING MEASURES**

Extinguishing Media: Use water spray (fog), foam, dry chemicals or carbon dioxide.  
Special Hazards: Prevent contamination of drains and waterways. Absorb runoff with sand or similar material.  
Protective Clothing: Wear full protective clothing and self-contained approved breathing apparatus.

### **ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Use appropriate protective clothing. Wear safety goggles, rubber / PVC gloves. Do not touch or walk through spilled material.  
Environmental Precautions: As per good environmental practices, prevent contamination of drains and waterways, with large quantities of undiluted product.  
Measures for cleaning up: For small spills flush away with plenty of water.  
For large spills, contact supplier and advise local authorities.

### **HANDLING AND STORAGE**

Handling: Avoid contact with eyes, skin and clothing. Keep container tightly closed. Wash thoroughly.  
Storage: Store in a cool place, well ventilated area away from direct sunlight. Keep container tightly closed.

### **KEEP OUT OF REACH OF CHILDREN**

### **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Precautionary Measures: Workers should have access to an eye wash bottle. Safety goggles should be worn if splashing may occur.  
Hygiene Measures: Do not eat, drink or smoke whilst working and wash hands before breaks and after work.  
Respiratory: Normally required. Respiratory protection if there is a risk of breathing mist or vapour from heated material.  
Hand Protection: Appropriate gloves should be worn to maintain adequate GMP standards.  
Eye Protection: Protective goggles or safety glasses.

### **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Green Gel.  
Odour: Typical.  
Ph@25°C: 8.5 – 10.0  
Relative density @ 25°C: 0.95 – 1.00  
Viscosity @ 25°C: 60 000 – 80 000 cPs (Brookfield Viscometer, Spindle 6 @ 10rpm)  
Flash point: Not available.  
Boiling point: Not available.

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**STABILITY AND REACTIVITY**

Conditions to avoid:  
Stability:  
Hazardous Decomposition:

Protect from very low temperatures.  
The product is stable under normal conditions of use.  
Combustion will generate Carbon Monoxide and Carbon Dioxide. Acrid smoke and irritating fumes.

**TOXICOLOGICAL INFORMATION**

General:

Small quantities are harmless, larger doses may produce irritation of the mucous membrane and vomiting. May cause irritation after prolonged or frequent contact. May cause significant eye irritation.

**ECOLOGICAL INFORMATION**

Environment effects:

Can be toxic at excessive quantities. The product is expected to be partially or slowly biodegradable (it will slowly dissolve in water)

**DISPOSAL CONSIDERATIONS**

Product Disposal:

This product should be disposed of in accordance with local regulations and should not be directly entered into sewerage systems, nor should it be disposed of into the local environment.

Container Disposal:

The container should be disposed of in accordance with local regulations. If the container is to be recycled, the receiver must be informed about possible hazards.

**TRANSPORT INFORMATION**

Classified as not dangerous goods.

**REGULATORY INFORMATION**

ECC Hazard Classification: Irritant

**OTHER INFORMATION**

The information contained in this Material Safety Data Sheet is based upon the prevailing knowledge and information available at the date of publication. However the above mentioned company does not assume liability whatsoever for the accuracy or completeness of the information or the use, application, adaption or process of any products described herein.

All materials may present unknown hazards and should be used with caution.