



# Material Safety Data Sheet

## Signatur Detergent Plus

### 1. Identification of the Substance/Preparation and the Company/Undertaking

Revision date: 4/5/2007

Substance or preparation trade name:      Signature Detergent Plus  
Unique reference numbers(s):              008901  
Company/undertaking name & address:      Caled Industries, 26 Hanes Drive, Wayne, NJ 07470  
  
Telephone:                                        1-800-652-2533  
Emergency telephone number:              1-800-424-9300   Chemtrec

### 2. Hazardous Ingredients

Substance:	Aprox. %	CAS #
Potassium Hydroxide	1-10 %	1310-58-3

### 3. Hazards Identification

Health: 2      Flammability: 1      Reactivity: 0

### 4. First aid measures

Skin contact:      Will cause burn. Flush with large amount of water. When irritation persists get medical Attention.  
Eyes contact:      Will cause burns. Flush eyes with large amount of water. Get medical attention.  
Ingestion:          Not a normal route of entry. May cause burning of the mucus membrane. Get medical attention.

### 5. Fire fighting measures

Suitable extinguishing media:      Water, dry chemicals  
Unsuitable extinguishing media:  
Special hazards in fire:                      None known  
Required special protective equipment .  
for fire-fighters:                      Protective gears



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### 6. Accidental release measures

Personal precautions: Wear safety goggles and gloves  
Environmental precautions: Prevent entry to waterways  
Methods for cleaning: Absorb and neutralize with acid. Flush area with water if locally permitted.  
Dispose in accordance with federal, state and local regulations.

### 7. Handling and storage

Handling: Keep container closed.  
Storage: Keep container closed away from open flame, heat and sparks.

### 8. Exposure Controls

Engineering measures: None known  
Control Parameters:  
Personal protection equipment:  
Eye protection: Safety glasses or safety shield. Eye wash station.  
Hand protection: Neoprene gloves  
Hygiene measures:

### 9. Physical and chemical properties

Appearance: Clear pale yellow liquid  
Odor: Mild  
pH: 10.5 – 11.5  
Boiling point: 200F  
Melting point: None  
Flashpoint: 130F  
Explosive properties: None known  
Vapor pressure: ND  
Relative density: 1.060  
Solubility: Soluble in water

### 10. Stability and reactivity

Conditions to avoid: None known  
Materials to avoid: Strong acids, Some metals as brass, copper, aluminum  
Hazardous decomposition products:  
None known

### 11. Toxicological information



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Acute toxicity:

Local effects

Excessive exposure may affect human health as follows:

Skin contact: Skin irritation

Eye contact: Eyes irritation

Inhalation/ingestion: Irritation to stomach and respiratory system.

### 12. Ecological information

None known

### 13. Disposal Considerations

Contact local authorities for disposal regulations.

### 14. Transport information

Classification data : Corrosive

**DOT:** Corrosive liquid, Basic, Inorganic, NOS (Contains Potassium Hydroxide) Class 8, UN 1814 PG II

**UN:** Corrosive liquid, Basic, Inorganic, NOS (Contains Potassium Hydroxide) Class 8, UN 1814 PG II.

### 15. Regulatory information

Toxics Release Inventory SARA TITLE III, Section 313:

Potassium Hydroxide CAS :1310-58-3

### 16. Other Information

Recommendations/restrictions:

Sources of key data used to compile:

NA= Not applicable ND= No data available NE= No establish <=Less than >= Greater than

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