

# Safety Data Sheet

Issue Date: 22-May-2014

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Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name LDC

### Other means of identification

SDS # LDC

### Recommended use of the chemical and restrictions on use

Recommended Use Cleaning Compound

### Details of the supplier of the safety data sheet

#### Supplier Address

Hill Chemical, Inc.  
2520 Knights Station Road  
Suite 28  
Lakeland, FL 33810

### Emergency Telephone Number

Company Phone Number 863-816-2909

Emergency Telephone (24 hr) 800-535-5053 Info Trac Contract # 97581

## 2. HAZARDS IDENTIFICATION

Physical State Liquid

### Classification

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

### Signal Word

Danger

### Hazard Statements

Causes severe skin burns and eye damage

Causes serious eye damage

Harmful if swallowed



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Do not eat, drink or smoke when using this product.

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a poison center or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a poison center or doctor/physician

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	65-70
Nonylphenol, branched, ethoxylated	127087-87-0	15-20
Sodium Silicate	10213-79-3	1-5
Potassium Hydroxide Solution	1310-58-3	1-5
Tetrasodium EDTA	64-02-8	1-5
1-Methoxy-2-propanol	107-98-2	1-5
Sodium Xylene Sulfonate	1300-72-7	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.
<b>Skin Contact</b>	Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting.

**Most important symptoms and effects**

<b>Symptoms</b>	Contact will cause irritation and redness to exposed areas.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Non-flammable solution.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Use personal protection recommended in Section 8. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

**Incompatible Materials** Acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium Hydroxide: 1310-58-3	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	-
1-Methoxy-2-propanol: 107-98-2	TWA: 100 ppm	TWA: 100 ppm	TWA: 100 ppm

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Tight sealing safety goggles.

**Skin and Body Protection** Wear suitable protective clothing.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Citrus
<b>Appearance</b>	Not determined	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	Not determined	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

Acids.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact** Causes severe eye damage.

<b>Skin Contact</b>	Causes severe skin burns.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Do not taste or swallow.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Nonylphenol, branched, ethoxylated: 127087-87-0	960-6980 mg/kg (Rat)	2000-2991 mg/kg (Rabbit)	1.15 mg/L (Rat) Aerosol, 4 h
Sodium Silicate: 10213-79-3	847 mg/kg (Rat)	-	-
Tetrasodium EDTA: 64-02-8	= 10 g/kg ( Rat )	-	-
1-Methoxy-2-propanol (PM): 107-98-2	11700 mg/Kg (Rat)	13000 mg/Kg (Rabbit)	10000 ppm (Rat) 5h
Sodium xylenesulfonate :1300-72-7	= 7200 mg/kg ( Rat )	-	-

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

This product has a calculated Acute Toxicity Estimate(Oral) of 2603 mg/kg

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Aquatic Toxicity unknown

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Nonylphenol, branched, ethoxylated 127087-87-0	-	LC50: 3.8-6.2 mg/L; fathead minnow, 96h	IC50: >1000 mg/L, Baacteria, 16h	LC50: 9.3-21.4 mg/L; Water flea, 48h
Tetrasodium EDTA : 64-02-8	1.01: 72 h Desmodemus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static		610: 24 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

##### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

##### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### California Hazardous Waste Status

Not determined

### 14. TRANSPORT INFORMATION

#### Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### 15. REGULATORY INFORMATION

#### International Inventories

Not determined

#### US Federal Regulations

##### CERCLA

Not determined

##### SARA 313

Not determined

#### CWA (Clean Water Act)

Not determined

#### US State Regulations

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Potassium Hydroxide: 1310-58-3	X	X	X
Sodium Xylene Sulfonate: 1300-72-7	X		X
Sodium Silicate 10213-79-3	X	-	X
1-Methoxy-2-propanol (PM) 107-98-2	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date:**

2-May-2014

**Revision Date:**

22-May-2014

**Revision Note:**

New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**