



## Material Safety Data Sheet

LA5571  
ELIMINATE

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Id:** LA5571  
**Product Name:** ELIMINATE  
**Synonyms:** None  
**Chemical Family:** None Known  
**Application:** Detergent.

**Distributed By:**  
Univar Canada Ltd.  
9800 Van Horne Way  
Richmond, BC  
V6X 1W5

**Prepared By:** The Safety, Health and Environment Department of Univar Canada Ltd.  
**Preparation date of MSDS:** 10 June 2009  
**Telephone number of preparer:** 1-866-686-4827

**24-Hour Emergency Telephone Number (CANUTEC):** (613) 996-6666

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percentage (W/W)	LD50s and LC50s Route & Species:
Ammonia 7664-41-7	6	Inhalation LC50 (Rat) = 2000 ppm 4 h Oral LD50 (Rat) = 350 mg/kg Inhalation LC50 (Rat) = 5.1 mg/L 1 h
Sodium Hydroxide 1310-73-2	5	Oral LDLo (Rabbit) : 500mg/kg

**Note:** No additional remark.

### 3. HAZARDS IDENTIFICATION

**Potential Acute Health Effects:**

**Eye Contact:** May irritate eyes. May cause corneal injury.

**Skin Contact:** May cause skin irritation.

**Inhalation:** May cause irritation of the respiratory tract.

**Ingestion:** Toxic by oral exposure. Causes burns to the mouth, throat and stomach.

#### 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Skin Contact:** Flush with copious amounts of water for at least 15 minutes. If irritation persists or signs of toxicity occur, seek medical attention.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water and seek medical attention. Never give anything by mouth to an unconscious person.

**Notes to Physician:** Treatment based on sound judgment of physician and individual reactions of patient.

#### 5. FIRE FIGHTING MEASURES

**Flash Point:** >93.3 °C / >200 °F

**Flash Point Method:** Not Available.

**Autoignition Temperature:** Not available.

**Flammable Limits in Air (%):** Not Available.

**Extinguishing Media:** Use DRY chemicals, CO<sub>2</sub>, alcohol foam or water spray.

**Special Exposure Hazards:** Use water spray to cool containers.

**Hazardous Decomposition/Combustion Materials (under fire conditions):** Oxides of nitrogen. Oxides of sodium.

**Special Protective Equipment:** Fire fighters should wear full protective clothing, including self-contained breathing equipment.

**NFPA RATINGS FOR THIS PRODUCT ARE:** Not Available.

**HMIS RATINGS FOR THIS PRODUCT ARE:** Not Available.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautionary Measures:** Wear appropriate protective equipment.

**Environmental Precautionary Measures:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Consult local authorities.

**Procedure for Clean Up:** Isolate hazard area and restrict access. Absorb with an inert dry material and place in an appropriate waste disposal container. Avoid direct contact with material.

#### 7. HANDLING AND STORAGE

**Handling:** For industrial use only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personnel protective equipment.

**Storage:** Keep containers tightly closed. Store in accordance with good industrial practices. Avoid storage with incompatible materials. Store in a cool, dry, well ventilated area. In cold conditions product will salt out. Warming and agitating will return it to a homogenous product.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:**

Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

**Respiratory Protection:** Air purifying respirator with organic vapor cartridges.

**Gloves:**

Impervious gloves. Rubber gloves.

**Skin Protection:** Chemical apron.

**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.

**Other Personal Protection Data:** Ensure that eyewash stations and safety showers are proximal to the work-station location.

Ingredients	Exposure Limit - ACGIH	Exposure Limit - OSHA	Immediately Dangerous to Life or Health - IDLH
Ammonia	35 ppm STEL 25 ppm TLV-TWA	35 ppm STEL 27 mg/m <sup>3</sup> STEL	300 ppm
Sodium Hydroxide	2 mg/m <sup>3</sup> Ceiling	2 mg/m <sup>3</sup> Ceiling	10 mg/m <sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.  
**Colour:** Yellow-orange  
**Odour:** Ammoniacal.  
**pH** 11.8  
**Specific Gravity:** 1.05  
**Boiling Point:** Not Available.  
**Freezing/Melting Point:** Not Available.  
**Vapour Pressure:** Not Available.  
**Vapour Density:** Not Available.  
**% Volatile by Volume:** Not Available.  
**Evaporation Rate:** Not Available.  
**Solubility:** Soluble in water.  
**VOCs:** Not Available.  
**Viscosity:** Not Available.  
**Molecular Weight:** Not Available.  
**Other:** Not Available.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable.  
**Hazardous Polymerization:** Will not occur.  
**Conditions to Avoid:** None known.  
**Materials to Avoid:** Acids.  
**Hazardous Decomposition Products:** None.  
**Additional Information:**  
No additional remark.

## 11. TOXICOLOGICAL INFORMATION

### Principle Routes of Exposure

**Ingestion:** Toxic by oral exposure. Causes burns to the mouth, throat and stomach.  
**Skin Contact:** May cause skin irritation.  
**Inhalation:** May cause irritation of the respiratory tract.  
**Eye Contact:** May irritate eyes. May cause corneal injury.

**Additional Information:** No additional information available.

### Acute Test of Product:

**Acute Oral LD50:** Not Available.  
**Acute Dermal LD50:** Not Available.  
**Acute Inhalation LC50:** Not Available.

### Carcinogenicity:

Ingredients	IARC - Carcinogens	ACGIH - Carcinogens
Ammonia	Not listed.	Not listed.
Sodium Hydroxide	Not listed.	Not listed.

**Carcinogenicity Comment:** No additional information available.

**Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity:** Not Available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicological Information:

Ingredients	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity - Freshwater Algae Data
Ammonia	LC50 (Lepomis macrochirus) 0.26 - 4.6 mg/L LC50 (Pimephales promelas) 0.73 - 2.35 mg/L LC50 (Cyprinus carpio) 1.1 mg/L LC50 (Poecilia reticulata) 1.5 mg/L	Not Available.	Not Available.
Sodium Hydroxide	LC50 (Rainbow Trout) 1149 mg/l LC50 (Chinook Salmon) 152 mg/l	Not Available.	Not Available.

### Other Information:

No additional remark.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Waste Method:** Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

**Contaminated Packaging:** Empty containers should be recycled or disposed of through an approved waste management facility.

## 14. TRANSPORT INFORMATION

### DOT (U.S.):

**DOT Shipping Name:** CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)

**DOT Hazardous Class** 8

**DOT UN Number:** UN1760

**DOT Packing Group:** III

**DOT Reportable Quantity (lbs):** Not Available.

**Note:** No additional remark.

**Marine Pollutant:** No.

### TDG (Canada):

**TDG Shipping Name:** CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)

**Hazard Class:** 8

**UN Number:** UN1760

**Packing Group:** III

**Note:** No additional remark.

**Marine Pollutant:** No.

## 15. REGULATORY INFORMATION

**U.S. TSCA Inventory Status:** All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**Canadian DSL Inventory Status:** All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

**Note:** Not available.

### U.S. Regulatory Rules

Ingredients	CERCLA/SARA - Section 302:	SARA (311, 312) Hazard Class:	CERCLA/SARA - Section 313:
Ammonia	Listed	Listed	Listed
Sodium Hydroxide	Not Listed.	Listed	Not Listed.

**California Proposition 65:** Not Listed.

**MA Right to Know List:** Listed.

**New Jersey Right-to-Know List:** Listed.

**Pennsylvania Right to Know List:** Listed.

### **WHMIS Hazardous Class:**

D1A VERY TOXIC MATERIALS

E CORROSIVE MATERIAL



## 16. OTHER INFORMATION

**Additional Information:**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**Disclaimer:**

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**\*\*\*END OF MSDS\*\*\***