

**SECTION I - PRODUCT IDENTIFICATION**

**Product Name:** MSDS Example  
**Product Use:** Cleaner  
**WHMIS Class:** Class E - Corrosive Material  
**DOT Classification:** Sodium hydroxide solution; Class 8; UN1824; PGII  
**TDG Classification:** SODIUM HYDROXIDE SOLUTION; Class 8; UN1824; PGII  
**Manufacturer/Supplier:** Dell Tech Laboratories Ltd.  
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 100 Collip Circle, Suite 220  
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LEGEND HMIS/NFPA		Health	Flammability	Physical Hazard	Personal Protection
Severe	4	/	0	0	B
Serious	3				
Moderate	2				
Slight	1				
Minimal	0				



**SECTION II - HAZARDOUS INGREDIENTS**

<u>Ingredient(s)</u>	<u>CAS #</u>	<u>Wt%</u>	<u>OSHA PELS</u>	<u>ACGIH-TLV</u>	<u>LC50</u>	<u>Oral LD50</u>
Sodium hydroxide	1310-73-2	30 - 60	2 mg/m3 - TWA	2 mg/m3 - CEIL	Not available	Not available
Alcohols, C12-16, ethoxylated	68551-12-2	1 - 5	Not established	Not established	Not available	1380 mg/kg rat

**SECTION III - PHYSICAL DATA**

<b>Boiling Point:</b>	212.00 °F (100 °C)	<b>Specific Gravity:</b>	Not available
<b>Freezing Point:</b>	Not available	<b>Coefficient of Water/Oil Distribution:</b>	Not available
<b>Vapor Pressure:</b>	Not available	<b>% Volatile:</b>	Not available
<b>Vapor Density:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Solubility in Water:</b>	Complete	<b>pH:</b>	> 12
<b>Physical State:</b>	Liquid	<b>Viscosity:</b>	Water thin
<b>Appearance:</b>	Colorless Liquid	<b>Odor Threshold:</b>	Not available
<b>Odor:</b>	Strong		

**SECTION IV - FIRE AND EXPLOSION DATA**

**Flammability:** Not flammable by WHMIS/OSHA criteria.  
**Flash Point:** Not available      **LEL:** Not available      **UEL:** Not available  
**Hazardous Combustion Products:** May include and are not limited to: Oxides of carbon. Oxides of sodium.  
**Autoignition Temperature:** Not available  
**Explosion Data:**  
     **Sensitivity to Mechanical Impact:** Not available  
     **Sensitivity to Static Discharge:** Not available  
**Means of Extinction:** Treat for surrounding material.  
**Special Fire Hazards:** Firefighters should wear a self-contained breathing apparatus.

**SECTION V - REACTIVITY DATA**

**Conditions for Chemical Instability:** Stable under recommended storage conditions.  
**Incompatible Materials:** Acids. Oxidizing agents.  
**Reactivity, and Under What Conditions:** Do not mix with other chemicals. Reacts violently with acids. This product may react with oxidizing agents.  
**Hazardous Decomposition Products:** May include and are not limited to: Oxides of carbon. Oxides of sodium.

**SECTION VI - TOXICOLOGICAL PROPERTIES**

**Route of Entry:** Eye, Skin contact, Inhalation, Ingestion.

**EFFECTS OF ACUTE EXPOSURE:**

- Eye:** May cause chemical burns. May cause blindness.  
**Skin:** May cause chemical burns. Harmful contact may not cause immediate pain.  
**Inhalation:** May cause respiratory tract irritation.  
**Ingestion:** Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

**EFFECTS OF CHRONIC EXPOSURE:**

- Skin:** Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.  
**Irritancy:** Hazardous by WHMIS/OSHA criteria.  
**Respiratory Tract Sensitization:** Non-hazardous by WHMIS/OSHA criteria.  
**Carcinogenicity:** Non-hazardous by WHMIS/OSHA criteria.  
**Teratogenicity:** Non-hazardous by WHMIS/OSHA criteria.  
**Mutagenicity:** Non-hazardous by WHMIS/OSHA criteria.  
**Reproductive Effects:** Non-hazardous by WHMIS/OSHA criteria.  
**Synergistic Materials:** Not available

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**SECTION VII - PREVENTATIVE MEASURES**

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- Gloves:** Rubber gloves. Confirm with a reputable supplier first.  
**Eye Protection:** Wear chemical goggles.  
**Respiratory Protection:** Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.  
**Other Protective Equipment:** As required by employer code.  
**Engineering Controls:** General ventilation normally adequate.  
**Leak and Spill Procedure:** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.  
**Waste Disposal:** Dispose in accordance with all applicable regulations.  
**Handling Requirements:** Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing.  
**Storage Requirements:** Keep out of the reach of children. Store in a closed container away from incompatible materials.

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**SECTION VIII - FIRST AID**

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- Eye:** Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.  
**Skin:** Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation persists.  
**Inhalation:** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.  
**Ingestion:** Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

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**SECTION IX - PREPARATION INFORMATION**

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**Effective Date:** 01-May-2010

**Expiry Date:** 01-May-2013

**Issue Date:** 13-May-2010

**Prepared By:** Dell Tech Laboratories Ltd. (519) 858-5021

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