

SECTION I - PRODUCT IDENTIFICATION

Product Name: MSDS Example
Product Use: Cleaner
DOT Classification: Sodium hydroxide solution; Class 8; UN1824; PGII
Manufacturer/Supplier: Dell Tech Laboratories Ltd.
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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	40 - 60	2 mg/m3 - TWA	2 mg/m3 - CEIL	Not available	140 mg/kg rat
Ethoxylated nonyl phenol	9016-45-9	2.5 - 10	Not established	Not established	Not available	1310 mg/kg rat

SECTION III - PHYSICAL DATA

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

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable by 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 OSHA criteria.
Respiratory Tract Sensitization: Non-hazardous by OSHA criteria.
Carcinogenicity: Non-hazardous by OSHA criteria.
Teratogenicity: Non-hazardous by OSHA criteria.
Mutagenicity: Non-hazardous by OSHA criteria.
Reproductive Effects: Non-hazardous by OSHA criteria.
Synergistic Materials: Not available

SECTION VII - PREVENTATIVE MEASURES

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.

SECTION VIII - FIRST AID

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. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

SECTION IX - PREPARATION INFORMATION

Effective Date: 25-Jan-2007 **Issue Date:** 25-Jan-2007
Prepared By: Dell Tech Laboratories Ltd. (519) 858-5021

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