





# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

 <b>WHMIS (Pictograms)</b>	<b>WHMIS CLASS E:</b> Corrosive liquid. <b>WHMIS CLASS D-1:</b> Material causing immediate and serious toxic effects.  <b>WHMIS (Classification)</b>	<b>HCS Class:</b> Corrosive liquid. <b>HCS Class:</b> Toxic.  <b>HCS</b>
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## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b> <b>Oven Jell</b>	<b>Code</b> <b>139</b>
<b>Synonym</b> Oven & Grill Cleaner	<b>CAS #</b> Not applicable.
<b>Chemical Family</b> Not Applicable	<b>Validation Date</b> <b>3/22/2004</b>
<b>Chemical Formula</b> Not applicable.	<b>Print Date</b> <b>3/27/2004</b>
<b>Manufacturer/ Supplier</b> Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156	<b>In Case of Emergency</b> Chemtrec (800) 424-9300
<b>TSCA</b> <b>TSCA Inventory: All components listed or are exempt from listing.</b>	<b>Protective Clothing</b> 
<b>DSL/ NDSL</b> <b>All components listed unless noted elsewhere on this MSDS</b>	

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
1) Sodium Hydroxide	1310-73-2	10-15	TWA: 2 (mg/m <sup>3</sup> ) from OSHA (PEL) [United States]	Not available.
2) Xanthan Gum	11138-66-2	0-5	Not available.	ORAL (LD50): Acute: 45000 mg/kg [Rat].
3) Gluconic Acid	526-95-4	0-5	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Eye contact can result in corneal damage or blindness. Corrosive to skin and eyes on contact. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.
<b>Potential Chronic Health Effects</b>	Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Section 4. First Aid Measures

<b>Eye Contact</b>	Call a poison control center or doctor immediately for treatment advice. IMMEDIATELY Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
<b>Skin Contact</b>	Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.
<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration., preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

<b>Ingestion</b>	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person
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### Section 5. Fire Fighting Measures

<b>Products of Combustion</b>	Not available.
<b>Fire Fighting Media and Instructions</b>	N/A
<b>Special Remarks on Fire Hazards</b>	N/A
<b>Special Remarks on Explosion Hazards</b>	N/A


### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	Absorb with an inert material and place in an appropriate waste disposal container.
<b>Large Spill and Leak</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Personal Protection in Case of a Large Spill</b>	Face shield. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Section 7. Handling and Storage

<b>Precautions</b>	Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
<b>Incompatibility</b>	Strong acids.
<b>Storage</b>	Corrosive materials should be stored in a separate safety storage cabinet or room. Keep out of reach of children. For Institutional and Commercial Use

### Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels.
<b>Personal Protection</b>	<p><i>Eyes</i> Splash goggles or Face shield.</p> <p><i>Body</i> Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.</p> <p><i>Respiratory</i> Wear appropriate respirator when ventilation is inadequate.</p> <p><i>Hands</i> Neoprene gloves.</p>
<b>Protective Clothing (Pictograms)</b>	
<b>Exposure Limits</b>	<p><b>Sodium Hydroxide</b> TWA: 2 (mg/m<sup>3</sup>) from OSHA (PEL)</p> <p>Consult local authorities for acceptable exposure limits.</p>

### Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Liquid.	<b>Odor</b>	Characteristic.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH</b>	12.5 to 14 [Basic.]	<b>Color</b>	Amber.
<b>Boiling/Condensation Point</b>	218°F initial		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	1.12 (Water = 1)		
<b>Vapor Pressure</b>	20mm Hg @ 68°F		
<b>Vapor Density</b>	>1 (Air = 1)		
<b>Volatility</b>	80		
<b>VOC</b>	Not available.		
<b>Evaporation Rate</b>	<1		
<b>Dispersion Properties</b>	See solubility in water.		
<b>Solubility</b>	Easily soluble in cold water.		
<b>The Product is:</b>	May be combustible at high temperature.		
<b>Auto-ignition Temperature</b>	Not available.		
<b>Flash Points</b>	CLOSED CUP: >98.889°C (210°F).		
<b>Flammable Limits</b>	Not available.		
<b>Fire Hazards in Presence of Various Substances</b>	No specific information is available in our database regarding the flammability of this product in presence of various materials.		
<b>Explosion Hazards in Presence of Various Substances</b>	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.		

### Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	Strong acids.
<b>Hazardous Decomposition Products</b>	not available

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Skin contact. Ingestion. Eye Contact
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 140 mg/kg [Rat]. (Sodium Hydroxide).
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> Severely corrosive to the eyes. Eye contact can result in corneal damage or blindness.</p> <p><i>Skin</i> Severe skin irritant. Prolonged or repeated contact may cause severe chemical burns.</p> <p><i>Inhalation</i> Irritating to the mucous membranes in the nose, throat, and lungs. May cause coughing, chest pain, and difficulty in breathing. Prolonged exposure may result in tissue damage.</p> <p><i>Ingestion</i> Extremely corrosive to the mouth and throat. May result in severe chemical burns. May cause severe abdominal pain, nausea, vomiting, and possible collapse.</p>
<b>Chronic Effects on Humans</b>	Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.
<b>Special Remarks on Toxicity to Animals</b>	No additional remark.
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remark.



### Section 12. Ecological Information

<b>Ecotoxicity</b>	Not Available
<b>BOD5 and COD</b>	Not Available
<b>Products of Biodegradation</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation</b>	Not available.
<b>Special Remarks on the Products of Biodegradation</b>	No additional remark.

### Section 13. Disposal Considerations

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Waste Stream</b>	Not available.


### Section 14. Transport Information

<b>DOT (U.S.A) (Pictograms)</b>		
<b>TDG Classification</b>	8	
<b>PIN UN, Proper Shipping Name, PG</b>	Shipping name: Corrosive liquids n.o.s. UNNA: 1760 PG: II	
<b>Maritime Transportation</b>	Not available.	

Special Provisions for Transport

Not available.

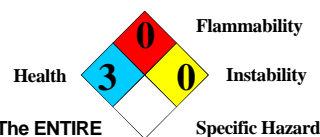
### Section 15. Other Regulatory Information and Pictograms

<b>WHMIS (Classification)</b>	WHMIS CLASS E: Corrosive liquid. WHMIS CLASS D-1: Material causing immediate and serious toxic effects.	
<b>Regulatory Lists</b>	No products were found.	
<b>Other Regulations</b>	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
<b>Other Classifications</b>	<b>HCS (U.S.A.)</b>	HCS Class: Corrosive liquid. HCS Class: Toxic.
	<b>USA Regulatory Lists</b>	California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Ethylene Oxide < 1 ppm California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ethylene Oxide <1 ppm Pennsylvania RTK: Propylene Glycol Massachusetts RTK: Ethylene Oxide SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium Hydroxide: immediate health hazard
	<b>DSD (EEC)</b>	R22- Harmful if swallowed. R35- Causes severe burns.
<b>International Regulations Lists</b>	No products were found.	

### Hazardous Material Information System (U.S.A.)

Health	3
Flammability	0
Physical Hazard	0

### National Fire Protection Association (U.S.A.)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

### Section 16. Other Information

Validated by CRushton on 3/22/2004.

Verified by CRushton.

Printed 3/27/2004.

**Information Contact** Betco Corporation  
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#### Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

