





Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

 WHMIS (Pictograms)	WHMIS CLASS E: Corrosive gas. WHMIS CLASS D-1: Material causing immediate and serious toxic effects. WHMIS (Classification)	Class: Corrosive material HCS
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Section 1. Chemical Product and Company Identification

Product Name/ Trade name Oven & Grill Cleaner	Code 055
Synonym Oven & Grill Cleaner	CAS # Mixture.
Chemical Family Not available.	Validation Date 4/13/2006
Chemical Formula Not applicable.	Print Date 4/13/2006
Manufacturer/ Supplier Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156	In Case of Emergency Chemtrec (800) 424-9300
TSCA TSCA Inventory: All components listed or are exempt from listing.	<div style="text-align: center;"> Protective Clothing  </div>
DSL/ NDSL All components listed unless noted elsewhere on this MSDS	

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Potassium Hydroxide Liquified Petroleum Gas	1310-58-3 68476-85-7	10 - 15 5 - 10	Not available. TWA: 1000 ppm OSHA (United States). TWA: 1000 ppm	Not available. Not available.
Sodium Gluconate Xanthan Gum	527-07-1 11138-66-2	1 - 5 1 - 5	Not available. Not available.	Not available. ORAL (LD50): Acute: 45000 mg/kg [Rat].

Section 3. Hazards Identification

Potential Acute Health Effects	Corrosive to skin and eyes on contact. May be fatal if swallowed. May cause burns to mouth, throat and stomach. Skin contact may produce burns. Tissue Destruction Possible.
Potential Chronic Health Effects	Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation. Severe over-exposure can result in death.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation	Evacuate the victim to a safe area as soon as possible. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek IMMEDIATE medical attention.

Section 5. Fire Fighting Measures

Products of Combustion	Not Available
Fire Fighting Media and Instructions	Water fog, CO2, foam, dry chemical.
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	Heated cans may burst.


Section 6. Accidental Release Measures

Small Spill and Leak	Chemical anti-splash goggles. Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Prevent entry into sewers, basements or confined areas; dike if needed.
Personal Protection in Case of a Large Spill	Full suit. Face shield. Boots. A self contained breathing apparatus should be used to avoid inhalation of the product.

Section 7. Handling and Storage

Precautions	DANGER! Wear suitable protective clothing, gloves and eye/face protection. Keep only in the original container.
Incompatibility	acids
Storage	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

Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
<i>Eyes</i>	Splash goggles.
<i>Body</i>	Synthetic apron. Long Pants and Long Sleeves to avoid skin contact.
<i>Respiratory</i>	Wear appropriate respirator when ventilation is inadequate.
<i>Hands</i>	Neoprene gloves.
Protective Clothing (Pictograms)	
Exposure Limits	Liquified Petroleum Gas TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL)
	Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Gas	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
pH	14.4 [Basic.]	Color	Colorless.
Boiling/Condensation Point	N/A		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.1 (Water = 1)		
Vapor Pressure	30 psig @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	95		
VOC	Not available.		
Evaporation Rate	<1		
Dispersion Properties	Dispersed in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.		
Solubility	Soluble		
The Product is:	COMBUSTIBLE.		
Auto-ignition Temperature			
Flash Points	Not Applicable		
Flammable Limits	LOWER: 1.8% UPPER: 9.5%		
Fire Hazards in Presence of Various Substances	COMBUSTIBLE.		
Explosion Hazards in Presence of Various Substances	Heated Cans May burst		

Section 10. Stability and Reactivity Data

Stability	Stable
Incompatibility with Various Substances	acids
Hazardous Decomposition Products	Will not occur.

Section 11. Toxicological Information

Routes of Entry	Skin contact. INHALATION Ingestion. Eye Contact
Toxicity to Animals	Acute oral toxicity (LD50): 5000 mg/kg [Rat]. (Xanthan Gum).
Acute Effects on Humans	<p><i>Eyes</i> Extremely hazardous in case of eye contact (corrosive). Eye contact can result in corneal damage or blindness.</p> <p><i>Skin</i> Extremely hazardous in case of skin contact (corrosive). Skin contact may produce burns.</p> <p><i>Inhalation</i> Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Irritant. Harmful if inhaled.</p> <p><i>Ingestion</i> Extremely corrosive to the mouth and throat. Can result in severe chemical burns. May cause abdominal pain, nausea, vomiting, and possible collapse. Can be fatal if inhaled or ingested.</p>
Chronic Effects on Humans	Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation. Severe over-exposure can result in death.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	Will cause serious damage to the eyes.



Section 12. Ecological Information

Ecotoxicity	Not Available
BOD5 and COD	Not Available
Products of Biodegradation	Not Available
Toxicity of the Products of Biodegradation	as toxic as the original product.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

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

Section 14. Transport Information

DOT (U.S.A) (Pictograms)		
TDG Classification	TDG Class 9.1: Miscellaneous dangerous goods.	
PIN UN, Proper Shipping Name, PG	Classified ORM-D When Shipped By Ground This product is a Corrosive Aerosol when Shipped By Air.	

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS CLASS E: Corrosive gas. WHMIS CLASS D-1: Material causing immediate and serious toxic effects.



Regulatory Lists No products were found.

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications HCS (U.S.A.) Class: Corrosive material

USA Regulatory Lists

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Potassium Hydroxide: immediate health hazard

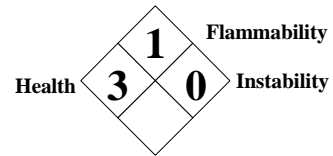
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No products were found.

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

Health	3
Flammability	1
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.

Specific Hazard

Section 16. Other Information

Validated by CRushton on 4/13/2006.

Verified by CRushton.

Printed 4/13/2006.

Information Contact Betco Corporation
1001 Brown Avenue
Toledo, Ohio 43607

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.

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