





Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

 WHMIS (Pictograms)	WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC). WHMIS (Classification)	HCS CLASS: Irritating substance. HCS
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Section 1. Chemical Product and Company Identification

Product Name/ Trade name Stainless Steel Cleaner/Polish	Code 065
Synonym Stainless Steel Cleaner/Polish	CAS # Not applicable.
Chemical Family Not available.	Validation Date 3/2/2007
Chemical Formula Not applicable.	Print Date 3/23/2007
Manufacturer/ Supplier Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (800) 666-2156	In Case of Emergency #
TSCA TSCA Inventory: All components listed or are exempt from listing.	Protective Clothing 
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
White Mineral Oil	8042-47-5	<20	Not available.	Not available.
Liquified Petroleum Gas	68476-85-7	<12	TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States]	Not available.
Citrus Terpenes	5989-27-5	<6	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].

Section 3. Hazards Identification

Potential Acute Health Effects	This product is an eye irritant. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Potential Chronic Health Effects	Repeated skin exposure can produce local skin destruction, or dermatitis.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Flush with large quantities of water. Seek medical attention if irritation persists.
Skin Contact	Seek medical attention if irritation occurs.
Inhalation	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.
Ingestion	Seek medical attention if symptoms persist.

Section 5. Fire Fighting Measures

Products of Combustion Not available.

Fire Fighting Media and Instructions Alcohol foam, CO2, 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 N/A

Large Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage

Precautions Avoid contact with skin and eyes. Keep away from heat.

Incompatibility Not available.

Storage Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. 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

Eyes Safety glasses.

Body No special protective clothing is required.

Respiratory A respirator is not needed under normal and intended conditions of product use. Wear appropriate respirator when ventilation is inadequate.

Hands Gloves.

Protective Clothing (Pictograms)



Exposure Limits

Liquified Petroleum Gas

TWA: 1000 (ppm)

TWA: 1000 (ppm) from OSHA (PEL)

Ammonium Hydroxide

TWA: 50 (ppm)

TWA: 50 (ppm) from OSHA (PEL)

STEL: 35 (ppm)

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Spray Mist)	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
pH	9.5 to 10.5 [Basic.]	Color	Clear
Boiling/Condensation Point	N/A		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	50 psig @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	90		
VOC	311.55 (g/l).		
Evaporation Rate	<1		
Dispersion Properties	Not available.		
Solubility	Not available.		
The Product is:	Non-flammable.		
Auto-ignition Temperature	Not available.		
Flash Points	NO FLAME OR FLASHBACK PER CPSC FLAME PROJECTION TEST.		
Flammable Limits	LOWER: 1.7% UPPER: 9.5%		
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.		
Explosion Hazards in Presence of Various Substances	Heated Cans May burst		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Not available.
Hazardous Decomposition Products	Will not occur.

Section 11. Toxicological Information

Routes of Entry Skin, Eyes, Inhalation.

Toxicity to Animals LD50: Not available.
LC50: Not available.

Acute Effects on Humans

Eyes Eye irritant. May cause redness and swelling of the conjunctiva.

Skin Defatting to skin on repeated contact.

Inhalation Irritant.

Ingestion May be irritating to the gastrointestinal system. Vomiting and diarrhea expected with large doses.

Chronic Effects on Humans Repeated skin exposure can produce local skin destruction, or dermatitis.

Special Remarks on Toxicity to Animals No additional remark.

Special Remarks on Chronic Effects on Humans No additional remark.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Products of Biodegradation Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation Not available.

Special Remarks on the Products of Biodegradation No additional remark.

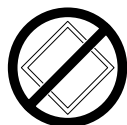
Section 13. Disposal Considerations

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 Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).



Regulatory Lists No products were found.

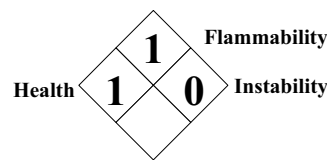
Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications	HCS (U.S.A.)	HCS CLASS: Irritating substance.
	USA Regulatory Lists	This product contains the following components known to the state of California to cause cancer or reproductive harm: NONE SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Liquified Petroleum Gas: Fire hazard; Citrus Terpenes: Fire hazard, Immediate (Acute) 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	1
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 3/2/2007.

Verified by CRushton.

Printed 3/23/2007.

Information Contact Betco Corporation
1001 Brown Avenue
Toledo, Ohio 43607

Notice to Read:

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.

Validated on 3/2/2007.

Stainless Steel Cleaner/Polish

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