



Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200



Class D-2B: Material causing other toxic effects (TOXIC).
WHMIS Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

HCS Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F). HCS Class: Irritating substance.

WHMIS (Pictograms)

WHMIS (Classification)

HCS

Section 1. Chemical Product and Company Identification

Product Name/ Trade name	GT Cleaner	Code	695
Synonym	Not available.	CAS #	Mixture.
Chemical Family	Cleaner.	Validation Date	3/2/2010
Chemical Formula	Not applicable.	Print Date	3/3/2010
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (800) 333-2156	In Case of Emergency	CHEMTREC (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS		
		Protective Clothing 	

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Propylene Glycol Monomethyl Ether	107-98-2	5 - 10	ACGIH TLV (United States). TWA: 100 ppm 8 hour(s). STEL: 150 ppm 15 minute(s).	ORAL (LD50): Acute: 6.6 mg/kg [Rat].
Isopropyl Alcohol	67-63-0	5 - 10	OSHA (United States). TWA: 400 ppm STEL: 500 ppm	ORAL (LD50): Acute: 16971 mg/kg [Rat].

Section 3. Hazards Identification

Potential Acute Health Effects	Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant). Non-corrosive for skin. Irritating to mouth, throat and stomach.
Potential Chronic Health Effects	May aggravate existing respiratory conditions. May aggravate existing skin conditions. 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	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.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Contact a poison control center immediately for treatment advice. Do not induce vomiting unless instructed to do so by poison control center or doctor. Take small sips of water if able to swallow. Do not give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Special Remarks on Fire Hazards	COMBUSTIBLE.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
Large Spill and Leak	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

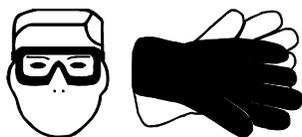
Section 7. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as reducing agents, acids, alkalis.
Incompatibility	Reactive with reducing agents, acids, alkalis.
Storage	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Do not store above 48.889°C (120°F). S2- Keep out of the reach of children.

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>	
<i>Respiratory</i>	A respirator is not needed under normal and intended conditions of product use. Wear appropriate respirator when ventilation is inadequate. Be sure to use an approved/certified respirator or equivalent.
<i>Hands</i>	Gloves.

Protective Clothing
(Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Alcohol like.
Molecular Weight	Not applicable.	Taste	Not available.
pH	7 to 9 [Basic.]	Color	Blue.
Boiling/Condensation Point	81.667 to 125°C (179 to 257°F)		
Melting/Freezing Point	May start to solidify at 0°C (32°F) based on data for: Water.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	0.9687 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Volatility	Not available.		
VOC	836 (g/l).		
Evaporation Rate	>1 compared to Butyl acetate.		
Dispersion Properties	See solubility in water, methanol, acetone.		
Solubility	Easily soluble in methanol, acetone. Soluble in cold water, hot water.		
The Product is:	COMBUSTIBLE.		
Auto-ignition Temperature	Not available.		
Flash Points	Closed cup: >38.333°C (101°F). (Tagliabue.)		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	COMBUSTIBLE.		
Explosion Hazards in Presence of Various Substances	Explosive in presence of open flames, sparks and static discharge, of heat.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Reactive with reducing agents, acids, alkalis.
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 6.6 mg/kg [Rat]. (Propylene Glycol Monomethyl Ether).
Acute Effects on Humans	<p><i>Eyes</i> Hazardous in case of eye contact (irritant).</p> <p><i>Skin</i> Sensitization of the product: Not available. Slightly hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.</p> <p><i>Inhalation</i> Hazardous in case of inhalation. Irritating to mouth, throat and stomach. May cause, headache, dizziness, and nausea</p> <p><i>Ingestion</i> Hazardous in case of ingestion. Irritating to mouth, throat and stomach. nausea, Vomiting</p>
Chronic Effects on Humans	May aggravate existing respiratory conditions. May aggravate existing skin conditions. Repeated skin exposure can produce local skin destruction, or dermatitis.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

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

Section 14. Transport Information

**DOT (U.S.A)
(Pictograms)**



TDG Classification TDG Class 3: Flammable liquid.



PIN UN, Proper Shipping Name, PG Shipping name: FLAMMABLE LIQUIDS, N.O.S. UNNA: UN1993 PG: II This classification and shipping name is applicable when shipping by Air or Vessel.

This product is not regulated under the HMR when shipped by ground in Quantities less than 119 Gallons.

Maritime Transportation Not available.

Special Provisions for Transport Not available.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Class D-2B: Material causing other toxic effects (TOXIC). WHMIS Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).



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: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F). HCS Class: Irritating substance.

USA Regulatory Lists

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Squeaky : Fire hazard, Immediate (Acute) Health Hazard

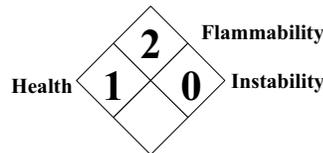
DSD (EEC) R10- Flammable.
R28- Very toxic if swallowed.

International Regulations Lists No products were found.

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

Health	1
Flammability	2
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 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.

Continued on Next Page