



Material Safety Data Sheet

WHMIS (Pictograms)

WHMIS (Classification)

HCS

	CLASS A: Compressed gas. CLASS B-5: Flammable aerosol.	Class: Irritating substance.
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Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Perfect Scent - Clean Linen	Code	90953
Synonym	Air Freshener	CAS #	Mixture.
Chemical Family	Not available.	Validation Date	6/25/2002
Chemical Formula	Not applicable.	Print Date	6/25/2002
Manufacturer	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	In Case of Emergency	Chemtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL	DSL : 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
1) Propane	74-98-6	10-30	TWA: 1000 (ppm) from OSHA (PEL) [United States]	Not available.
2) Butane	106-97-8	10-30	TWA: 800 (ppm) from OSHA (PEL) [United States]	Not available.
3) Perfume Oil	N/A	10-30	Not available.	Not available.
4) Dipropylene Glycol	25265-71-8	10-30	Not available.	ORAL (LD50): Acute: 14800 mg/kg [Rat].
5) Isopropyl Alcohol	67-63-0	5-10	TWA: 400 (ppm) TWA: 400 (ppm) from OSHA (PEL) [United States]	ORAL (LD50): Acute: 16971 mg/kg [Rat].
6) Ethyl Alcohol	64-17-5	0-5	STEL: 500 (ppm) TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States]	ORAL (LD50): Acute: 7060 mg/kg [Rat].
7) Diethylene Glycol Ethyl Ether	111-90-0	0-5	TWA: 25 CEIL: 25 (ppm)	ORAL (LD50): Acute: 5540 mg/kg [Rat].
8) Hexylene Glycol	107-41-5	0-5	Not available.	ORAL (LD50): Acute: 3700 mg/kg [Rat].

Section 3. Hazards Identification

Potential Acute Health Effects	Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Non-corrosive for skin. Non-corrosive to the eyes.
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	Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin Contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap.
Inhalation	Not considered a route of harmful exposure, if irritation does occur. Allow the victim to rest in a well ventilated area. Oxygen may be administered if breathing is difficult. Seek medical attention.
Ingestion	Do not induce vomiting. NEVER give an unconscious person anything to ingest. Seek immediate medical attention.

Section 5. Fire Fighting Measures

Products of Combustion	carbon oxides (CO, CO2)
Fire Fighting Media and Instructions	Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Use DRY chemicals, CO2, or foam.
Special Remarks on Fire Hazards	Container explosion may occur under fire conditions or when heated.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Absorb with DRY earth, sand or other non-combustible material.
Personal Protection in Case of a Large Spill	A self contained breathing apparatus should be used to avoid inhalation of the product. Gloves. Safety glasses.

Section 7. Handling and Storage

Precautions	Keep away from sources of ignition. Keep away from incompatibles.
Incompatibility	acids alkalis oxidizing materials
Storage	Flammable materials should be stored in a separate safety storage cabinet or room. Keep out of the reach of children. Not for use or storage in or around the home.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
<i>Eyes</i>	No special recommendations.
<i>Body</i>	No special recommendations.
<i>Respiratory</i>	A respirator is not needed under normal and intended conditions of product use.
<i>Hands</i>	No additional special protective clothing is required.
Protective Clothing (Pictograms)	
Exposure Limits	Propane TWA: 1000 (ppm) from OSHA (PEL) [United States] Butane TWA: 800 (ppm) from OSHA (PEL) [United States] Isopropyl Alcohol TWA: 400 (ppm) TWA: 400 (ppm) from OSHA (PEL) [United States] STEL: 500 (ppm) Ethyl Alcohol TWA: 1000 (ppm)

TWA: 1000 (ppm) from OSHA (PEL) [United States]

Diethylene Glycol Ethyl Ether

TWA: 25 CEIL: 25 (ppm)

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Pleasant. Linen
Molecular Weight	Not applicable.	Taste	
pH	Not applicable.	Color	Clear
Boiling/Condensation Point	Not available.		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	0.73 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Volatility	Not available.		
VOC	Not available.		
Evaporation Rate	Not available.		
Odor Threshold	Not available.		
LogK_{ow}			
Ionicity (in Water)	Not available.		
Dispersion Properties	Is not dispersed in cold water, hot water.		
Solubility	Insoluble in cold water, hot water.		
The Product is:	Flammable.		
Auto-ignition Temperature	Not available.		
Flash Points	CLOSED CUP: -20°C (-4°F).		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	FLAMMABLE.		
Explosion Hazards in Presence of Various Substances	Containers may explode when heated.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	acids alkalis oxidizing materials
Hazardous Decomposition Products	Oxides of Carbon

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 3700 mg/kg [Rat]. (Hexylene Glycol).
Acute Effects on Humans	<p><i>Eyes</i> Irritant.</p> <p><i>Skin</i> Slightly irritating</p> <p><i>Inhalation</i> Not available.</p> <p><i>Ingestion</i> Harmful if swallowed. May cause gastrointestinal discomfort. May cause nausea, vomiting and diarrhea.</p>
Chronic Effects on Humans	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	Dispose of In accordance with all applicable local , state and Federal regulations
Waste Stream	Not available.

Section 14. Transport Information

DOT (U.S.A)
(Pictograms)



TDG Classification Consumer Commodity

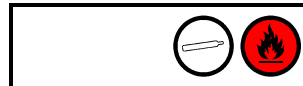
PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport No additional remark.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) CLASS A: Compressed gas.
CLASS B-5: Flammable aerosol.



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: Irritating substance.

USA Regulatory Lists

SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
Isopropyl Alcohol: fire; Diethylene Glycol Ethyl Ether: fire
SARA 313 toxic chemical notification and release reporting: Diethylene Glycol Ethyl Ether

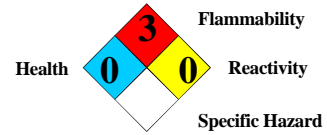
DSD (EEC)

International Regulations Lists No products were found.

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

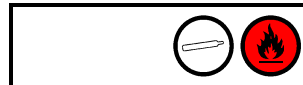
Health	1
Flammability	3
Reactivity	0
Personal Protection	A

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



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Flammability	3
Reactivity	0
Personal Protection	A

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



Section 16. Other Information

Validated by CRushton on 6/25/2002.

Verified by CRushton.

Printed 6/25/2002.

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.

Validated on 6/25/2002.

Perfect Scent - Clean Linen

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