






Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

  WHMIS (Pictograms)	Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). Class D-2B: Material causing other toxic effects (TOXIC). WHMIS (Classification)	Flammable liquid HCS Class: Irritating substance. HCS
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Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Code 303
Synonym Pine Odor Disinfectant	CAS # Mixture.
Chemical Family Not available.	Validation Date 5/25/2006
Chemical Formula Not applicable.	Print Date 5/25/2006
Manufacturer/ Supplier 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.	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
Isopropyl Alcohol	67-63-0	5 - 10	OSHA (United States). TWA: 400 ppm	ORAL (LD50): Acute: 16971 mg/kg [Rat].
Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	1 - 5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
Sodium Sesquicarbonate	533-96-0	1 - 5	Not available.	Not available.
Nonionic Surfactant	9003-11-6	1 - 5	Not available.	Not available.
Pine Oil	8002-09-3	2.5	Not available.	Not available.
N,N-Dialkyl (C8-10) -N, N-dimethyl ammonium chloride	68424-95-3	1.14	Not available.	Not available.
Quaternary Ammonium Chloride	68424-85-1	0.76	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	Irritant. Harmful if swallowed.
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	Call a poison control center or doctor immediately for treatment advice. 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.
Skin Contact	Remove contaminated clothing and shoes. Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.
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. Call a poison control center or doctor for further treatment advice.
Ingestion	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

Section 5. Fire Fighting Measures

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


Section 6. Accidental Release Measures

Small Spill and Leak	Chemical anti-splash goggles.
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. A self-contained breathing apparatus should be used to avoid inhalation of the product.

Section 7. Handling and Storage

Precautions	Avoid breathing vapors or spray mists.
Incompatibility	None known.
Storage	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>	Safety glasses.
<i>Body</i>	No special protective clothing is required.
<i>Respiratory</i>	A respirator is not needed under normal and intended conditions of product use.
<i>Hands</i>	Gloves (impervious).
Protective Clothing (Pictograms)	

Exposure Limits**Isopropyl Alcohol**

TWA: 400 (ppm)

TWA: 400 (ppm) from OSHA (PEL) [United States]

STEL: 500 (ppm)

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Pine
Molecular Weight	Not applicable.	Taste	Not available.
pH	10.1	Color	Brown.
Boiling/Condensation Point	212°F initial		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	0.99 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	>1 (Air = 1)		
Volatility	Not available.		
VOC	119.12 (g/l).		
Evaporation Rate	<1		
Dispersion Properties	See solubility in water.		
Solubility	Easily soluble in cold water.		
The Product is:	May be combustible at high temperature.		
Auto-ignition Temperature	Not available.		
Flash Points	Not available.		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	Not available.		
Explosion Hazards in Presence of Various Substances	Not applicable		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	None known.
Hazardous Decomposition Products	Will not occur.

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 4610 mg/kg [Rat]. (Nonionic Surfactant).
Acute Effects on Humans	
<i>Eyes</i>	Corrosive to eyes. Liquid and mist may damage the eyes causing corneal injury.
<i>Skin</i>	Corrosive to the skin.
<i>Inhalation</i>	May cause, headache, dizziness, and nausea
<i>Ingestion</i>	Harmful if swallowed. May be irritating to the mouth, throat, and 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	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	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	Not available.

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 3.3: Flammable liquid with a flash point between 23°C (73°F) and 61°C (142°F).



PIN UN, Proper Shipping Name, PG

Shipping name This product can be shipped as NON Regulated in North America When shipped by ground in quantities less than 119 Gallons. : Combustible, Liquids, N.O.S. UNNA: UN1993 PG: III

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
Class D-2B: Material causing other toxic effects (TOXIC).



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

Other Classifications

HCS (U.S.A.) Flammable liquid
HCS Class: Irritating substance.

USA Regulatory Lists **WARNING:** This product contains chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Toluene; Propylene Oxide ; N-Nitrosodimethylamine; Benzyl Chloride ; Benzene; Acetaldehyde
WARNING: This product contains chemical(s) known to the state of California to cause birth defects or other reproductive harm.: Toluene
WARNING: This product contains chemical(s) known to the state of California to cause cancer.: Propylene Oxide ; Benzyl Chloride ; Benzene; Acetaldehyde
Massachusetts RTK: Benzyl Chloride ; Benzene; Acetaldehyde
New Jersey: N.N-Dialkyl (C8-10) -N, N-dimethyl ammonium chloride
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Isopropyl Alcohol: fire

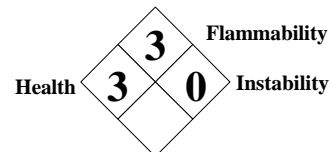
DSD (EEC) R10- Flammable.

International Regulations Lists No products were found.

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

Health	3
Flammability	3
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 5/25/2006.

Verified by CRushton.

Printed 5/25/2006.

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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