



MATERIAL SAFETY DATA SHEET

PINE-O-DIS Disinfectant Cleaner Deodorizer

Version Number: 2

Preparation date: 2006-08-29

1. PRODUCT AND COMPANY IDENTIFICATION	
Product name:	PINE-O-DIS Disinfectant Cleaner Deodorizer
MSDS #:	MS0600027
Product code:	U23061, U23062, U23063
Recommended use:	Disinfectant.
Manufacturer, importer, supplier: Unisource Worldwide, Inc. 6600 Governors Lake Parkway Norcross, GA 30071 Phone: 770-447-9000 MSDS Internet Address: www.unisourcelink.com	
Emergency telephone number:	1-800-535-5053

2. HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW	
<ul style="list-style-type: none"> • WARNING • CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY • HARMFUL IF ABSORBED THROUGH SKIN 	
Principle routes of exposure:	<ul style="list-style-type: none"> • Eye contact • Skin contact • Inhalation
Eye contact:	• Severe eye irritation
Skin contact:	• Harmful if absorbed through skin
Inhalation:	• May be irritating to nose, throat, and respiratory tract
Ingestion:	• May be irritating to mouth, throat and stomach

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %
Didecyl dimethyl ammonium chloride	7173-51-5	0.1 - 1.5%
n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride	8001-54-5	0.1 - 1.5%
Isopropyl alcohol	67-63-0	0.1 - 1.5%
Ethyl alcohol	64-17-5	0.1 - 1.5%

HAZARDOUS COMPONENTS

Ingredient(s)	LD50 Oral - Rat	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Didecyl dimethyl ammonium chloride	= 84 mg/kg	Not available	Not available
n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride	= 240 mg/kg	Not available	Not available
Isopropyl alcohol	= 4396 mg/kg	= 12800 mg/kg	= 72.6 mg/L (4h)
Ethyl alcohol	= 1501 mg/kg	Not available	= 124.7 mg/L (4h)

4. FIRST AID MEASURES

Eye contact:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes • Get medical attention
Skin contact:	<ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes • If irritation persists, get medical attention

4. FIRST AID MEASURES	
Inhalation:	• No specific first aid measures are required
Ingestion:	• Call medical attendant, medical doctor, or poison control center • DO NOT induce vomiting. If able to swallow, offer sips of water or milk. GET MEDICAL ATTENTION IMMEDIATELY. Never give anything by mouth to an unconscious person
Aggravated Medical Conditions:	• Persons with pre-existing skin disorders may be more susceptible to irritating effects

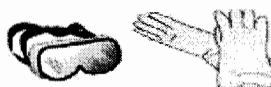
5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media:	• Use dry chemical, CO ₂ , water spray or "alcohol" foam • Extinguish fire using agent suitable for surrounding fire
Specific hazards:	• Not applicable
Unusual hazards:	• None known
Specific methods:	• No special methods required
Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear	
Extinguishing media which must not be used for safety reasons: No information available	

6. ACCIDENTAL RELEASE MEASURES	
Personal precautions:	• Use personal protective equipment
Environmental precautions and clean-up methods:	• Use appropriate containment to avoid environmental contamination • Soak up with inert absorbent material • Shovel into suitable container for disposal • Use a water rinse for final clean-up • Material is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES permit

7. HANDLING AND STORAGE	
Handling:	• Avoid contact with skin, eyes and clothing • Remove and wash contaminated clothing and footwear before re-use • Wash thoroughly after handling • Avoid breathing vapors or mists • Product residue may remain on/in empty containers • All precautions for handling the product must be used in handling the empty container and residue
FOR COMMERCIAL AND INDUSTRIAL USE ONLY.	
Storage:	• Keep tightly closed in a dry, cool and well-ventilated place • Protect from freezing • KEEP OUT OF THE REACH OF CHILDREN

8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Engineering measures to reduce exposure:	
• Good general ventilation should be sufficient to control airborne levels • Respiratory protection is not required if good ventilation is maintained	
Personal Protective Equipment	
Eye protection:	• Chemical splash goggles
Hand protection:	• Rubber gloves recommended for prolonged or repeated skin contact
Skin and body protection:	• If major exposure is possible, wear suitable protective clothing and footwear
Respiratory protection:	• In case of insufficient ventilation wear suitable respiratory equipment • A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use
Hygiene measures:	• Keep away from food, drink and animal feeding stuffs • Handle in accordance with good industrial hygiene and safety practice

Personal protective equipment



Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Isopropyl alcohol	67-63-0	400 ppm (STEL) 200 ppm (TWA)	400 ppm (TWA) 980 mg/m ³ (TWA)	500 ppm (STEL) 1225 mg/m ³ (STEL) 980 mg/m ³ (TWA) 400 ppm (TWA)
Ethyl alcohol	64-17-5	1000 ppm (TWA)	1000 ppm (TWA) 1900 mg/m ³ (TWA)	1000 ppm (TWA) 1900 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Appearance:	Aqueous solution
Color:	Green	Odor:	Pine
Specific gravity:	1.0	pH:	10.5
Dilution pH:	8.0	Density:	8.34 lbs/gal
Bulk density:	No information available	Vapor density:	No information available
Evaporation Rate	No information available	Solubility:	Soluble
VOC:	0.4% *	Viscosity:	No information available
Solubility in other solvents:	No information available		
Partition coefficient (n-octanol/water):	No information available		
Boiling point/range:	Not determined		
Melting point/range:	Not determined		
Flash point:	>200 (°F) >93.3 (°C)		
Decomposition temperature:	Not determined		
Autoignition temperature:	No information available		

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability:	• The product is stable
Polymerization:	• Hazardous polymerization does not occur
Hazardous decomposition products:	• None reasonably foreseeable.
Materials to avoid:	• Strong exothermic reaction with acids

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral LD50 estimated to be greater than 5000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg.
Component Information:	• See Section 3
Chronic toxicity:	• None known
Specific effects	
Carcinogenic effects:	• None known
Mutagenic effects:	• None known
Reproductive toxicity:	• None known
Target organ effects:	• None known

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	NTP	IARC	OSHA
Isopropyl alcohol	67-63-0		3	X

12. ECOLOGICAL INFORMATION

Environmental Information:	• No data available
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13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	• PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes
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14. TRANSPORT INFORMATION

DOT/TDG:	• Please refer to the Bill of Lading/receiving documents for up to date shipping information
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15. REGULATORY INFORMATION**International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA).

U.S. Regulations

EPA Reg. No. : 47371-36-82440

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

SARA 311/312 Hazard Categories

Immediate:	Y
Delayed:	N
Fire:	N
Reactivity:	N
Sudden Release of Pressure:	N

Canada

Ingredient(s)	CAS #	NPRI
Isopropyl alcohol	67-63-0	X
Ethyl alcohol	64-17-5	X

WHMIS hazard class: Not for sale in Canada.

STATE RIGHT TO KNOW

Ingredient(s)	CAS #	NJRTK:	MARTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Isopropyl alcohol	67-63-0	X	X	X	X
Ethyl alcohol	64-17-5	X	X	X	X
Didecyl dimethyl ammonium chloride	7173-51-5	-	-	-	-
n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride	8001-54-5	-	-	-	-
Alcohol ethoxylates	68439-46-3	-	-	-	-

CERCLA/SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Isopropyl alcohol	67-63-0	0.1 - 1.5%			X

16. OTHER INFORMATION

HMIS	Health	2	Fire Hazard	0	Reactivity	0
NFPA	Health:	2	Flammability:	0	Instability:	0
Reason for revision:	Not applicable					
Prepared by:	NAPRAC					
Additional advice:	None					

16. OTHER INFORMATION

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