

Product Identification

Chemical Name and Synonyms	Antimicrobial solution
Chemical Family	Aqueous alcohol solution
Chemical Formula	Not applicable
Product Use	Hard surface disinfectant
Manufacturer's Information Microbex, Division of Alliance H. Inc. 22A – 4630 Dufferin St. Toronto, ON M3H 5S4 416-391-1700	

Physical Data

Physical State	Liquid
Odour / Appearance	Colourless with lemon scent
Odour Threshold (ppm)	Not available
Vapour Pressure (mmHg)	Not available
Vapour Density (Air = 1)	Not available
Evaporation Rate (g/m ²)	Not available
Boiling Point (°C)	83
Freezing Point (°C)	Not available
pH	3 - 4
Specific Gravity (Water=1)	0.86
Coefficient of water/oil distribution	Not available

Shipping Description

Shipping Name	Ethanol Solutions
T.D.G. Class	3
P.I.N.	UN 1170
Pkg. Group	II

Hazard Rating (NFPA-704-M)

Fire	3
Reactivity	1
Toxicity	1
Special	Not applicable
WHMIS Class	B, D2B
Emergency	CANUTEC 613-996-6666

List of Hazardous Ingredients

Ingredients	%	LD 50 (oral, rat) mg/kg	CAS No.
Ethyl Alcohol	70.0%	7000	64-17-5
o-Phenylphenol	0.1%	2480	90-43-7
Ethylene glycol	5-10%	4700	107-21-1

Reactivity Data

Chemical Stability	Stable
Incompatibility with other substances	Oxidizing materials
Conditions for Reactivity	Not available
Hazardous Decomposition Products	Not available

Fire and Explosion Data

Flammability	Flammable
Extinguishing Media	Alcohol-type foams, CO ₂ or dry chemical
Flash Point (method used)	15 °C (closed cup)
Autoignition Temperature	Not available
Upper Flammable Limit (% by volume)	19
Lower Flammable Limit (% by volume)	3.3
Hazardous Combustion Products	CO and / or CO ₂
Sensitivity to Impact	Not available
Sensitivity to Static Discharge	Not available
Special Fire Hazards	Vapours may travel and be ignited by ignition sources distant from handling point.

Toxicological Properties and Health Data

Toxicological Data	
LD ₅₀	9005 mg/kg (calculated)
LC ₅₀	Not Available
Effects of Acute Exposure to Product	
Ingestion Drowsiness, gastrointestinal pain, cramps, diarrhea. Unconsciousness & death with large doses.	
Eye Contact Severe eye irritant. Can cause conjunctivitis.	
Skin Contact Mild irritant. Repeated exposure can cause drying & cracking	
Inhalation Drowsiness & narcosis at high vapour concentrations	
Special Notes Not applicable	
Effects of Chronic Exposure to Product	
Skin	Not available
Carcinogenicity	Not available
Teratogenicity	Not available
Reproductive Effects	Not available
Mutagenicity	Not available
Synergistic Product	Not available
Irritancy to Product	Not available
Sensitization to Product	Not available
Special Notes	Not available

First Aid

Ingestion DO NOT INDUCE VOMITING. If conscious, drink a glass of water to dilute contents of stomach. Seek medical help.	
Eye Contact Flush with water, keeping eyelids open. Seek medical help.	
Skin Contact Flush with plenty of water. If irritation occurs, seek medical help.	
Inhalation Remove victim to fresh air. Cardiopulmonary resuscitation if necessary. Seek medical help.	
Notes to Physician	Not available

Preventive Measures

Engineering Controls Mechanical ventilation should be non-sparking, grounded and separate from other exhaust systems.
Respiratory Protection Not normally required if good ventilation is maintained
Eye Protection Protective eye wear
Skin Protection Household type rubber gloves
Other Personal Protective Equipment Eye wash
Leak / Spill Procedure Remove sources of ignition. Provide adequate ventilation. Collect in suitable container or absorb onto suitable absorbent material for subsequent disposal.
Waste Disposal In accordance with local regulations
Handling Procedures and Equipment Keep away from heat, spark & flames. Prevent build up of static electricity when transferring. Avoid eye contact. Keep container closed when not in use.
Storage Requirements Keep away from heat, sparks & flames.
Special Notes Not available

Preparation Information

Date Reviewed	2009 June 30
Prepared by	Microbex Technical Staff

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