

Product Identification

Chemical Name and Synonyms	Cleaning solution
Chemical Family	Solution of enzymes / surfactants
Chemical Formula	Not applicable
Product Use	Instrument pre-soak & ultrasonic cleaner
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	Peach coloured with or without an almond 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)	Not available
Freezing Point (°C)	0 °C
pH	8 - 9
Specific Gravity (Water=1)	1.05
Coefficient of water/oil distribution	Not available

Shipping Description

Shipping Name	N/A
T.D.G. Class	Not regulated
P.I.N.	Not applicable
Pkg. Group	Not applicable

Hazard Rating (NFPA-704-M)

Fire	0
Reactivity	1
Toxicity	1
Special	Not applicable
WHMIS Class	D2B
Emergency	CANUTEC 613-996-6666

List of Hazardous Ingredients

Ingredients	%	LD 50 (oral, rat) mg/kg	CAS No.
Subtilisin	3-7	>2000	9014-01-1
Alkylphenoethoxylate	10-30	2500	9016-45-9
Sodium xylene sulfonate	2-10	650	1300-72-7
Propylene glycol	5-10	Not available	57-55-6
Triethanolamine	1-5	9000	102-71-6

Reactivity Data

Chemical Stability	Stable under normal conditions
Incompatibility with other substances	Strong acids and oxidizers
Conditions for Reactivity	Not available
Hazardous Decomposition Products	Not available

Fire and Explosion Data

Flammability	Not flammable
Extinguishing Media	Not applicable
Flash Point (method used)	Not applicable
Autoignition Temperature	Not available
Upper Flammable Limit (% by volume)	Not available
Lower Flammable Limit (% by volume)	Not available
Hazardous Combustion Products	Not available
Sensitivity to Impact	Not sensitive
Sensitivity to Static Discharge	Not sensitive
Special Fire Hazards	Not available

Toxicological Properties and Health Data

<i>Toxicological Data</i>	
LD ₅₀	Not Available
LC ₅₀	Not Available
<i>Effects of Acute Exposure to Product</i>	
Ingestion May cause nausea and vomiting. May be irritating to mouth and throat.	
Eye Contact Can cause irritation on repeated exposure.	
Skin Contact Mild irritant.	
Inhalation Can cause allergic type reaction in susceptible individuals upon repeated exposure.	
Special Notes Not applicable	
<i>Effects of Chronic Exposure to Product</i>	
Skin	Irritation on prolonged use.
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 Rinse mouth and throat thoroughly with water.	
Eye Contact Flush with large amounts of water, holding eyelids open for at least 15 minutes.	
Skin Contact Flush with large amounts of water. Consult physician if irritation persists. Wash contaminated clothing before reuse.	
Inhalation Remove victim to fresh air. Consult physician if allergic reaction occurs.	
Notes to Physician	Not available

Preventive Measures

Engineering Controls General ventilation normally adequate
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 Contain spilled material and absorb it with proper absorber for disposal. Wear gloves and eye protection.
Waste Disposal In accordance with local regulations
Handling Procedures and Equipment Keep instrument bath and ultrasonic bath covered at all times.
Storage Requirements Store in cool, dry place, away from direct sunlight.
Special Notes Not applicable

Preparation Information

Date Reviewed	2009 June 30
Prepared by	Microbex Technical Staff

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