

Product Identification

Chemical Name and Synonyms	Isopropanol, 2-propanol
Chemical Family	Alcohol
Chemical Formula	C ₂ H ₈ O
Product Use	Cleaning agent
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 characteristic alcohol odour
Odour Threshold (ppm)	40-200 ppm
Vapour Pressure (mmHg)	33
Vapour Density (Air = 1)	2.1
Evaporation Rate (g/m ²)	3 (butyl acetate = 1)
Boiling Point (°C)	82
Freezing Point (°C)	-89.0
pH	6 - 8
Specific Gravity (Water=1)	0.79
Coefficient of water/oil distribution	Separates from oil

Shipping Description

Shipping Name	Isopropyl Alcohol
T.D.G. Class	3
P.I.N.	UN 1219
Pkg. Group	II

Hazard Rating (NFPA-704-M)

Fire	3
Reactivity	0
Toxicity	1
Special	Not applicable
WHMIS Class	B, D2B
Emergency	CANUTEC 613-996-6666

List of Hazardous Ingredients

Ingredients	%	TLV Units	CAS No.
Isopropanol	99	400 ppm	67-63-0

Reactivity Data

Chemical Stability	Stable
Incompatibility with other substances	Oxidizing agents
Conditions for Reactivity	Sources of ignition.
Hazardous Decomposition Products	Not available

Fire and Explosion Data

Flammability	Flammable
Extinguishing Media	Alcohol-type or all-purpose foam
Flash Point (method used)	12 °C, (Tag closed cup, ASTM-D-56)
Autoignition Temperature	399 °C
Upper Flammable Limit (% by volume)	12.0
Lower Flammable Limit (% by volume)	2.5
Hazardous Combustion Products	CO and / or CO ₂
Sensitivity to Impact	Not available
Sensitivity to Static Discharge	Sensitive
Special Fire Hazards	Vapours may travel with air currents and be ignited in locations distant from handling point.

Toxicological Properties and Health Data

<i>Toxicological Data</i>	
LD ₅₀	5840 mg / kg. oral, rat
LC ₅₀	1300 mg /Kg dermal rabbit 16970 ppm / 8 hours, rat, inhalation
<i>Effects of Acute Exposure to Product</i>	
Ingestion Drowsiness, nausea, cramps, diarrhea. Unconsciousness & death with large doses	
Eye Contact Severe eye irritant. Causes conjunctivitis	
Skin Contact Mild irritant	
Inhalation Mild irritation of respiratory tract above 400 ppm. Drowsiness & narcosis at higher concentrations	
Special Notes Not available	
<i>Effects of Chronic Exposure to Product</i>	
Skin May lead to drying & cracking	
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, give victim a glass of water. If vomiting, lean victim forward. Seek medical help.	
Eye Contact Immediately flush eyes with plenty of water for 20 minutes, holding eyelids open. Contact physician.	
Skin Contact Wash with plenty of water. If irritation persists, contact physician.	
Inhalation Remove victim to fresh air. Start 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 Provide adequate ventilation. Remove sources of ignition. Collect in suitable container or absorb onto absorbent for subsequent disposal.
Waste Disposal In accordance with local regulations.
Handling Procedures and Equipment Local exhaust recommended when handling. Keep container closed when not in use. Prevent static electricity when transferring. Avoid eye contact.
Storage Requirements Keep away from heat, sparks and flames.
Special Notes Not available.

Preparation Information

Date Reviewed	2009 June 30
Prepared by	Microbex Technical Staff
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