

Product Identification

Chemical Name and Synonyms	Wax solvent
Chemical Family	Alicyclic hydrocarbon
Chemical Formula	C ₁₀ H ₁₆
Product Use	Solvent 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	Clear liquid with a strong citrus odour
Odour Threshold (ppm)	Not available
Vapour Pressure (mmHg)	1.2 (20°C)
Vapour Density (Air = 1)	0.012 (20°C)
Evaporation Rate (g/m ²)	Not available
Boiling Point (°C)	154 - 167
Freezing Point (°C)	Not available
pH	Not available
Specific Gravity (Water=1)	0.840
Coefficient of water/oil distribution	Not available (water insoluble)

Shipping Description

Shipping Name	Terpene hydrocarbons N.O.S. (d-limonene)
T.D.G. Class	3
P.I.N.	UN 2319
Pkg. Group	III

Hazard Rating (NFPA-704-M)

Fire	2
Reactivity	0
Toxicity	2
Special	Not applicable
WHMIS Class	B3, D2B
Emergency	CANUTEC 613-996-6666

List of Hazardous Ingredients

Ingredients	%	LD 50 (oral, rat) mg/kg	CAS No.
d-limonene	60-100	4400	5989-27-5
Alkylphenol ethoxylate	1-5	1800	9036-19-5

Reactivity Data

Chemical Stability	Stable
Incompatibility with other substances	Strong oxidizing agents, heat
Conditions for Reactivity	Not applicable
Hazardous Decomposition Products	Not applicable

Fire and Explosion Data

Flammability	Combustible liquid
Extinguishing Media	Dry chemical, carbon, alcohol foam
Flash Point (method used)	46 °C (TCC)
Autoignition Temperature	Not available
Upper Flammable Limit (% by volume)	0.7
Lower Flammable Limit (% by volume)	6.1
Hazardous Combustion Products	Oxides of carbon
Sensitivity to Impact	Not applicable
Sensitivity to Static Discharge	Not available
Special Fire Hazards Firefighters should wear self contained breathing apparatus. Keep away from sources of ignition. Vapour / air mixtures at concentrations in the flammable range can be ignited by a static spark of sufficient energy.	

Toxicological Properties and Health Data

<i>Toxicological Data</i>	
LD ₅₀	4400 mg/kg (oral, rat)
LC ₅₀	Not Available
<i>Effects of Acute Exposure to Product</i>	
Ingestion May cause vomiting, headache and other medical problems.	
Eye Contact May cause moderate to high irritation.	
Skin Contact May cause slight redness. Contains a potential skin sensitizer.	
Inhalation Can cause nose, throat and respiratory tract irritation, coughing and headache.	
Special Notes Not applicable	
<i>Effects of Chronic Exposure to Product</i>	
Skin Can cause drying and dermatitis.	
Carcinogenicity	Non-hazardous by WHMIS criteria
Teratogenicity	Not available
Reproductive Effects	Not available
Mutagenicity	Not available
Synergistic Product	Not available
Irritancy to Product	Hazardous by WHMIS criteria.
Sensitization to Product	Not available
Special Notes	Not available

First Aid

Ingestion DO NOT INDUCE VOMITING. If conscious, rinse mouth with water and drink one glass of water. Contact a physician immediately.	
Eye Contact Immediately flush with plenty of running water for 15 minutes, holding eyelids open. Contact a physician.	
Skin Contact Flush with plenty of water. Contact a physician if irritation develops. Completely decontaminate clothing, shoes and leather goods before reuse.	
Inhalation Remove to fresh air. If symptoms persist, consult a physician.	
Notes to Physician	Not available

Preventive Measures

Engineering Controls General ventilation normally adequate. Local exhaust for large scale or elevated temperature use.
Respiratory Protection Not normally required if good ventilation is maintained and exposure guidelines are not exceeded.
Eye Protection Chemical splash goggles.
Skin Protection PVC, neoprene rubber or butyl gloves
Other Personal Protective Equipment Impervious protective clothing
Leak / Spill Procedure Small spills may be absorbed with non-reactive absorbent and place in suitable covered, labelled containers. Prevent large spills from entering sewers.
Waste Disposal In accordance with local, provincial and federal requirements.
Handling Procedures and Equipment Avoid contact with eyes, skin, clothing
Storage Requirements Store in closed container away from incompatible materials. Keep away from sources of ignition. NO SMOKING
Special Notes Not available.

Preparation Information

Date Reviewed	2009 June 30
Prepared by	Microbex Technical Staff
<i>Microbex believes that the information contained herein is reliable and accurate. Microbex makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such information is solely for your consideration, investigation and verification.</i>	