

MATERIAL SAFETY DATA SHEET
 (Prepared According to 29 CFR 1910.1200)

SECTION 1 - PRODUCT IDENTIFICATION			
Trade Name	MANDARIN MAGIC HEAVY DUTY CLEANER AND DEGREASER		Product Type Organic Orange Solvent Cleaner/degreaser
SECTION 2 - HAZARDOUS INGREDIENTS			
CHEMICAL NAME/COMMON NAME	CAS NO.	PERCENT(optional)	TLV(Source)
d-Limonene	5989-27-5		Not Established
Other ingredients in this product are : <input checked="" type="checkbox"/> Less than 1% by weight or less than 0.1% for carcinogens <input checked="" type="checkbox"/> Not hazardous <input checked="" type="checkbox"/> Declared to be Trade Secret			
SECTION 3 - PHYSICAL DATA			
Boiling point(°F.)	340-370	Specific Gravity(H2O=1.0) (± 0.005)	0.840
pH (± 0.5)	N/A		
Vapor Pressure(mm Hg)	Unknown		Vapor Density(Air=1) Unknown
Solubility in water	<input type="checkbox"/> Complete	<input type="checkbox"/> Insoluble	<input checked="" type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slight (or Partial)
Evaporation Rate(vs. H2O)	<input type="checkbox"/> Faster	<input checked="" type="checkbox"/> Slower	<input type="checkbox"/> About the Same
Appearance and Odor	Orange Liquid, Citrus Odor		
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point(T.C.C.)	110 °F. <input type="checkbox"/> None to Boiling	Flammable Limits Upper	Unknown Lower Unknown
Extinguishing Media	CO2, dry chemical, foam, water spray.		
Special Firefighting Procedures	Do not enter confined fire-spaces without protective clothing and self-contained air supply.		
Unusual Fire and Explosion Hazards	None known.		
SECTION 5 - REACTIVITY DATA			
Stability	Stable		
Incompatibility	Strong oxidizers		
Hazardous Decomposition Products	Carbon monoxide and other unidentified organic gases may occur during incomplete combustion.		
SECTION 6 - HEALTH HAZARDS			
Primary Routes of Exposure	<input checked="" type="checkbox"/> Eye	<input checked="" type="checkbox"/> Skin	<input type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other
Signs and Symptoms of Overexposure (Acute)	Eyes: Redness, irritation. Skin: Prolonged or repeated contact may cause drying or cracking.		
Signs and Symptoms of Overexposure(Chronic)	None known		
Medical Conditions Aggravated by Overexposure	None known		Carcinogen/Suspect Carcinogen Ingredients <input type="checkbox"/> NTP <input type="checkbox"/> OSHA <input type="checkbox"/> IARC <input checked="" type="checkbox"/> NONE
SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES			
Eyes	Flush immediately with water for at least 15 minutes. Call a physician.		
Skin	Wash thoroughly with soap and water.		
Ingestion	Do NOT induce vomiting. Call a physician. Acute Oral LD50 (rat) - greater than 5 g./kg.		
Inhalation	N/A		
SECTION 8 - SPECIAL PROTECTION INFORMATION			
Respiratory Protection	Not needed under normal conditions of use.		
Ventilation Requirements	<input type="checkbox"/> Local Exhaust	<input checked="" type="checkbox"/> Mechanical	<input type="checkbox"/> Other
Protective Gloves Rubber	Eye Protection Safety glasses/goggles	Other Protective Clothing Not required for normal use	
SECTION 9 - SPILL OR LEAK PROCEDURES			
Steps to be Taken if Released or Spilled	Absorb with suitable absorbent. For large spills, absorb with suitable absorbent, then shovel into containers.		
Waste Disposal Methods	Dispose of in accordance with applicable Federal, State and Local ordinances.		
SECTION 10 - STORAGE AND HANDLING INFORMATION			
Precautions to be Taken in Handling and Storage	Do not get in eyes on skin or clothing. Keep away from heat and open flames. Use with adequate ventilation.		

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form(as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure to the product, if diluted, under conditions of ordinary use.