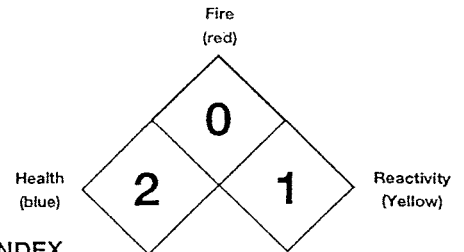


MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION AND USE	
Material Name	WARRIOR Code No. L550
Manufacturer's Name	Supplier's Name
Leysons Chemical Products a div. of 597401 ontario limited 1366 Sandhill Dr., Ancaster, Ontario L9G 4V5 Emergency Telephone Number: (905) 648-7832	



HAZARD INDEX

- 4. Severe Hazard
- 3. Serious Hazard
- 2. Moderate Hazard
- 1. Slight Hazard
- 0. Minimal Hazard

Class: D2B, E



Personal Protection

Chemical Name NA	Chemical Family Quaternary Disinfectant	Chemical Formula Proprietary blended mixture
Molecular Weight NA	Trade Name and Synonyms Warrior	Material Use Disinfectant cleaner degreaser

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S. N.A. or U.N. Numbers	Exposure Limits	LD ₅₀ /LC ₅₀ Specify Species and Route
Polyethylene Glycol Ether	3.0 - 7.0	9016-45-9	NA	LD ₅₀ 1310 mg/kg rat, oral
Sodium Metasilicate	1.0 - 5.0	6834-92-0	2 mg/m ³	LD ₅₀ 1280 mg/kg rat, oral
Tetrasodium Salt (EDTA)	0.5 - 1.5	64-02-8	NA	LD ₅₀ 3030 mg/kg rat, oral
Quaternary DMBAC 50% DMEBAC 50%	1.0 - 5.0	68391-01-5	NE	LD ₅₀ 620 mg/kg rat, oral

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State GAS <input type="checkbox"/> LIQUID <input checked="" type="checkbox"/> SOLID <input type="checkbox"/>	Odour and Appearance Greenish liquid with citrus odour	Odour Threshold (p.p.m.) NE	Specific Gravity 1.069
Vapour Pressure (mm) H ₂ O	Vapour Density (Air-1) H ₂ O	Evaporation Rate H ₂ O	Boiling Point (°C) 100°C
Solubility in Water (20°C) 100%	% Volatile (by volume) 85%	pH 13.0-13.5	Coefficient of water/oil distribution NA

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability If yes, under which conditions: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Means of Extinction Same as surrounding fire.			
Special Procedures None			
Flashpoint (°C) and Method NA	Upper explosion limit (% by volume) NA	Lower explosion limit (% by volume) NA	
Auto Ignition Temperature (°C) NA	Hazardous Combustion Products Oxides of carbon and nitrogen		
Explosion Data NA	Rate of Burning NA	Explosive Power NA	Sensitivity to Static Discharge NA

SECTION V - REACTIVITY DATA

Chemical Stability If no, under which conditions: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Incompatibility to other substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, under which conditions: Soft metals (aluminum, lead, zinc) concentrated acids, anionic detergents, strong oxidizing agents (including bleach)
Reactivity and under what conditions	Direct Contact
Hazardous Decomposition Products Oxides of carbon and nitrogen	

MATERIAL SAFETY DATA SHEET

Material Name / Identifier WARRIOR Code No. L550		
SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT		
Route of Entry <input checked="" type="checkbox"/> SKIN CONTACT <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE CONTACT <input type="checkbox"/> INHALATION ACUTE <input type="checkbox"/> INHALATION CHRONIC <input checked="" type="checkbox"/> INGESTION		
Effects of Acute Exposure to Product Skin - Irritant Eyes - Severe irritant Ingestion - Harmful if swallowed. May cause nausea and diarrhea		
Effects of Chronic Exposure to Product <p style="text-align: center;">None known</p>		
LD ₅₀ of Product (Specify Species and Route) NE	Irritancy of Product Irritant to skin and eyes	Exposure limits of Product NE
LD ₅₀ of Product (Specify Species) NE	Sensitization to Product NA	Synergistic Materials NA
Carcinogenicity <input type="checkbox"/> Reproductive Effects <input type="checkbox"/> Teratogenicity <input type="checkbox"/> Mutagenicity <input type="checkbox"/> None known to Leysons		
SECTION VII - PREVENTATIVE MEASURES		
Personal Protective Equipment Yes		
Gloves (Specify) Rubber	Respiratory (Specify) No	Eyes (Specify) Splash goggles
Footwear (Specify) No	Clothing (Specify) No	Other (Specify)
Engineering Controls (e.g. ventilation, enclosed process, specify) Normal ventilation		
Leak and Spill Procedure Dike with dry material and collect into containers. Flush area with water.		
Waste Disposal Dispose according to federal, provincial and local regulations.		
Handling Procedures and Equipment Avoid contamination of food. Do not mix with other products.		
Storage Requirements Store in cool place. Keep from freezing. Use plastic containers.		
Special Shipping Information Not TDG regulated		
SECTION VIII - FIRST AID MEASURES		
Skin Wash with plenty of water for at least 15 minutes.		
Eye Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.		
Inhalation Remove victim to fresh air. Get medical attention.		
Ingestion Do not induce vomiting. Drink two glasses of milk, egg whites or gelatin solution. If unavailable drink large amounts of water. Get medical attention immediately.		
General Advice Keep victim warm and comfortable.		
SECTION IX - PREPARATION DATA OF M.S.D.S.		
Additional information		
Sources Used Supplier's MSDS		
Prepared by: E. H. & S. Dept.	Phone number (905) 648-7832	Date April 15, 2003
NA = NOT APPLICABLE ND = NO DATA AVAILABLE NE = NONE ESTABLISHED NR = NOT REGULATED		