

MATERIAL SAFETY DATA SHEET

SECTION 1 - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME: **LDA100 Dispersing Agent**

MANUFACTURED BY:  **Lorama Inc.**
 221 Nipissing Road
 Milton, Ontario Canada L9T 1R3
 (905) 878-2833

24 HOUR EMERGENCY TELEPHONE NUMBER:
CANUTEC (613) 996-6666
 USE IN CASE OF A DANGEROUS GOODS EMERGENCY

CHEMICAL FAMILY: Unsaturated polar esters and amines
 MATERIAL USE: Dispersing Agent, Paint Additive

FLAMMABILITY	1	REACTIVITY	0
HEALTH	1	PERSONAL PROTECTION	B

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Ingredient(s)	Approximate % Concentration	CAS N.A. or U.N. Numbers	Exposure Limits	LD50	LC50
None					

SECTION 3 - PHYSICAL DATA

* Values are not product specifications.

Physical State Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid <input type="checkbox"/>		Appearance Light amber colored liquid	Odor Characteristic	Odor Threshold Not available	Specific Gravity 0.95
Vapor Pressure (mm) Not available	Vapor Density (Air = 1) Not available	Evaporation Rate Not available	Boiling Point (°C) Not available	Freezing Point (°C) Not available	
Solubility in Water Not miscible	% solids (by weight) 100%	pH Not available	Coefficient of Water/Oil Distribution Not available	TSCA Yes, not regulated	

SECTION 4 - FIRE AND EXPLOSION DATA

Flammability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If YES under which conditions / comments:		
Means of Extinction Foam, Carbon dioxide or dry chemical		
Special Procedures Wear self-contained breathing apparatus and protective suit		
Flashpoint (°C) and Method Not available	Upper Explosion Limit (% by volume) Not available	Lower Explosion Limit (% by Volume) Not available
Auto Ignition Temperature Product is not self-igniting	TDG Flammability Classification Not applicable	Hazardous Combustion Products Burning may produce toxic combustion products
Explosion Data Does not present an explosion hazard	Rate of Burning Not applicable	Sensitivity to Static Discharge Not available

SECTION 5 - REACTIVITY DATA

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If NO under which conditions?	
Incompatibility to other substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If YES, which ones? Strong oxidizing agents, strong acids and bases	
Reactivity and under what conditions: None expected	
Hazardous Decomposition Products: No dangerous decomposition expected under normal storage conditions	

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry <input type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation Acute <input type="checkbox"/> Inhalation Chronic <input checked="" type="checkbox"/> Ingestion			
Effects of Acute Exposure to Product Not available			
Effects of Chronic Exposure to Product None known			
Carcinogenicity <input type="checkbox"/>	Reproductive Effects <input type="checkbox"/>	Teratogenicity <input type="checkbox"/>	Mutagenicity <input type="checkbox"/>
Does not meet HMIS criteria for these effects.			
LD ₅₀ of Product (Specify species and Route) Not available	Irritancy of Product Not expected to be irritating to skin or eyes	Exposure Limits of Products Not available	
LC ₅₀ of Product (Specify species) Not available	Sensitization of Product Not expected to cause skin sensitization	Synergistic Materials None known	

SECTION 7 - PRECAUTIONS AND PREVENTATIVE MEASURES

Personal Protective Equipment Gloves and goggles may be worn if work situations cause splashing or skin contact			
Gloves (Specify) Protective and chemical resistant gloves	Respiratory (Specify) NIOSH approved respirator as needed to mitigate exposure	Eye (Specify) Splash proof chemical goggles	Footwear (Specify) Not needed
Clothing (Specify) Protective clothing	Other (Specify) None		
Engineering Controls (e.g. ventilation, enclosed process, specify) General ventilation should be adequate in most cases. Do not breathe vapors or mist.			
Leak and Spill Procedures Absorb with inert material (dry sand or earth), then place in a chemical waste container. Wear suitable protective equipment. Should not be released into the environment.			
Waste Disposal Disposal must be according to official regulations.			
Handling Procedures and Equipment Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation.			
Storage Requirements Keep containers tightly closed in cool, well-ventilated place.			
General Shipping Information Class 55 - Non-Hazardous, No Restrictions			

SECTION 8 - FIRST AID TREATMENT

Skin Wash thoroughly with soap and plenty of warm water. Get medical attention if irritation occurs.
Eyes Wash with gently flowing lukewarm water for at least fifteen minutes. Consult physician.
Inhalation Move to fresh air, if not breathing give artificial respiration. If breathing is difficult, give oxygen and get immediate medical attention.
Ingestion Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Consult physician.
General Advice Consult physician for all serious overexposures / signs of rash.

SECTION 9 - PREPARATION DATE

Additional Information / Comments We assigned hazards to this product based on its ingredients. Since the customer is aware of the application and method of use, the customer must ensure that proper health and safety procedures are followed.

Preparation Date July 28, 1988

Revision Date May 17, 2007