

**MATERIAL SAFETY DATA SHEET**

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DATE OF PREPARATION:  
January 1, 2000

**SECTION I - PRODUCT IDENTIFICATION**

PRODUCT NUMBER: LIQUID CRYSTAL AEROSOL  
PRODUCT NAME: LIFETONE  
PRODUCT CLASS: ACRYLIC LACQUER

**SECTION II - HAZARDOUS INGREDIENTS**

INGREDIENT	CAS NUMBER	WEIGHT	OCCUPATIONAL	VAPOR PRESSURE
TOLUENE	000108883	75	100 ppm (skin), 200 PEL	22.7 @ 20°C
XYLENE	1330-20-7	25	100 ppm PEL	9.5 @ 20°C

**SECTION III - PHYSICAL DATA**

BOILING RANGE: 230 °F  
EVAPORATION RATE: Slower than ether  
VAPOR DENSITY: Heavier than air  
% VOLATILE by VOLUME: 89%  
WEIGHT/GAL: 7.4 lbs.

**SECTION IV - FIRE AND EXPLOSION DATA**

FLAMMABILITY CLASSIFICATION: FLAMMABLE LIQUID - CLASS IB  
FLASH POINT: 45 °F  
EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL  
LEL: 1.0

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

DO NOT USE WATER. FLAMMABLE LIQUID CAN RELEASE VAPORS THAT FORM FLAMMABLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASHPOINT. ELIMINATE AND ISOLATE FROM ALL SOURCES OF IGNITION. COMBUSTION WILL PRODUCE CO2, CO, AND TOXIC GASES.

**SPECIAL FIREFIGHTING PROCEDURES:**

WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE DEMAND WHEN FIGHTING FIRES. USE WATER FOG NOZZLES TO COOL CLOSED CONTAINERS.

**SECTION V - HEALTH HAZARD DATA****EFFECTS OF OVEREXPOSURE:**

EYES - IRRITATING, MAY INJURE EYE TISSUE IF NOT PROPERLY REMOVED  
SKIN - SLIGHT IRRITATION DUE TO SOLVENTS  
INHALATION - IRRITATION TO RESPIRATORY TRACT, NOSE, THROAT, LUNGS  
INGESTION - CONSULT PHYSICIAN. DO NOT TAKE INTERNALLY  
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:  
RESPIRATORY PROBLEMS CAN BE INCREASED BY INHALATION OF VAPORS.

PRIMARY ROUTES OF ENTRY: DERMAL, INHALATION

**EMERGENCY FIRST AID PROCEDURES:**

EYES - FLUSH WITH WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.  
SKIN - REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA WITH SOAP AND WATER.  
INHALATION - MOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IF NEEDED.  
INGESTION - DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

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**SECTION VI - REACTIVITY DATA**

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STABILITY: STABLE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
HAZARDOUS DECOMPOSITION PRODUCTS: BURNING CAN PRODUCE CO<sub>2</sub> AND CO.  
CONDITIONS TO AVOID: AVOID EXCESSIVE HEAT  
INCOMPATIBILITY: AVOID CONTACT WITH MATERIALS CONTAINING PHOSPHORUS OR OXIDIZERS.

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**SECTION VII - SPILL OR LEAK PROCEDURE**

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STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:  
WEAR RESPIRATOR. ABSORB WITH VERMICULITE OR OTHER ABSORBENT MATERIAL. ELIMINATE ALL  
IGNITION SOURCES. STOP SPILL AT SOURCE TO PREVENT SPREADING.

**WASTE DISPOSAL METHOD:**

DESTROY BY LIQUID INCINERATION. CONTAMINATED ABSORBENT MAY BE DEPOSITED IN A LANDFILL  
IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

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**SECTION VIII - SAFE HANDLING & USE INFORMATION**

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**RESPIRATORY PROTECTION:**

IF TLV OF PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR  
SUPPLIED RESPIRATOR IS ADVISED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROL.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES

EYE PROTECTION: CHEMICAL SPLASH GOGGLES SUGGESTED, OTHER GLASSES PERMITTED

OTHER PROTECTIVE EQUIPMENT: IMPERVIOUS CLOTHING & BOOTS PREVENT REPEATED SKIN CONTACT

HYGIENIC PRACTICES: WASH WITH SOAP AND WATER AFTER USE BEFORE EATING OR SMOKING

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**SECTION IX - SPECIAL PRECAUTIONS**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

STORE IN DRY AREA. KEEP CONTAINERS TIGHTLY CLOSED. PROTECT FROM PHYSICAL DAMAGE.  
EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES - ALL HAZARD PRECAUTIONS GIVEN IN DATA  
SHEET MUST BE OBSERVED. STORE BELOW 120°F.

**OTHER PRECAUTIONS:**

STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. KEEP CLOSURE  
TIGHT AND CONTAINERS UPRIGHT. DO NOT STORE NEAR HEAT, SPARKS, OR FLAME. DO NOT GET IN  
EYES. KEEP AWAY FROM CHILDREN. AVOID SKIN CONTACT. DO NOT TAKE INTERNALLY. FOR  
INDUSTRIAL USE ONLY.