



MATERIAL SAFETY DATA SHEET

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Sublimation Spray
Part No. L6266CT Aerosol
Revision 1 ~ March 8, 2005

EMERGENCY OVERVIEW

CONTENTS **EXTREMELY FLAMMABLE** AND **UNDER PRESSURE**. STORE BELOW 120°F, OUT OF SUNLIGHT, AND AWAY FROM HEAT SOURCES. DO NOT PUNCTURE OR INCINERATE. AVOID CONTACT WITH SKIN AND EYES. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MADE FOR : Laser Reproductions, Inc.
8228 N. McCormick Blvd.
Skokie, IL 60076 USA

INFORMATION: 877-795-1500

PRODUCT IDENTIFIER: L6266CT **ITEM NUMBER:**

PRODUCT DESCRIPTION: Sublimation Spray

PRODUCT TYPE: Aerosol **REVISION NUMBER:** 1

CAS NUMBER: Mixture **REVISION DATE:** March 8, 2005

EMAIL: sales@DyeSubExperts.com **PRINT DATE:** April 20, 2005

WEBSITE: http://www.DyeSubExperts.com **PREPARED BY:** Safety & Environmental Manager

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	OSHA PEL	NIOSH REL	ACGIH PEL	IDLH	% WT
Oxibismethane	000115-10-6	N/E	N/E	N/E	N/E	30-40
Methyl Ethyl Ketone	000078-93-3	200 ppm	200 ppm	200 ppm	3000 ppm	10-20
Toluene	000108-88-3	200 ppm	100 ppm	50 ppm	500 ppm	< 10
Diethylene Glycol Monobutyl Ether Acetate	000124-17-4	N/E	N/E	N/E	N/E	< 10

See Section 11 for LD50 and LC50 Species/Route Information.
See Section 15 for Symbol Letters and R Phases.

SECTION 3 HAZARD IDENTIFICATION

ROUTES OF ENTRY:

Skin Contact	<input checked="" type="checkbox"/>	Skin Absorption	<input checked="" type="checkbox"/>	Eye Contact	<input checked="" type="checkbox"/>	Inhalation	<input checked="" type="checkbox"/>	Ingestion	<input type="checkbox"/>
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EFFECTS OF ACUTE EXPOSURE

EYE: Liquid contact may cause pain along with moderate eye irritation.

SKIN: Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.

INGESTION: Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.

INHALATION: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnoea are also possible.

OTHER HEALTH HAZARD DATA

EFFECTS OF CHRONIC EXPOSURE: Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

Toluene: Reports of chronic poisoning describe anemia, decreased blood cell count and bone marrow hypoplasia. Liver and kidney damage may occur. Exposure may affect a developing fetus.

MEDICAL CONDITIONS AGGRAVATED: May aggravate personnel with pre-existing disorders associated with any of the Target Organs.



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PRIMARY HAZARDS: Sensory Irritation (methyl ethyl ketone), Narcosis (toluene)

CARCINOGEN DATA: None of the ingredients are considered carcinogenic by OSHA, IARC, NTP, NIOSH or ACGIH.

CALIFORNIA PROP-65 WARNING: This product contains a substance known to the State of California to cause birth defects and/or other reproductive harm.

TARGET ORGANS: Eyes, skin, respiratory system, central nervous system, reproductive system, liver, kidneys

OSHA HAZARD CLASSIFICATIONS

HEALTH HAZARD CLASSIFICATION				PHYSICAL HAZARD CLASSIFICATION					
Irritant	<input type="checkbox"/>	Sensitizer	<input type="checkbox"/>	Combustible	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Pyrophoric	<input type="checkbox"/>
Toxic	<input type="checkbox"/>	Highly Toxic	<input type="checkbox"/>	Flammable	T	Oxidizer	<input type="checkbox"/>	Water Reactive	<input type="checkbox"/>
Corrosive	<input type="checkbox"/>	Carcinogenic	<input type="checkbox"/>	Compressed Gas	T	Organic Peroxide	<input type="checkbox"/>	Unstable	<input type="checkbox"/>

SECTION 4 FIRST AID MEASURES

INGESTION: Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.

SKIN: Remove with soap and water. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.

EYE: Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.

NOTES TO PHYSICIAN: N/Av

SECTION 5 FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY: Heat, sparks, flame, red hot metal

SUITABLE MEANS OF EXTINCTION: Water, CO₂, dry chemical, or universal aqueous film forming foam.

UNSUITABLE EXTINGUISHING MEDIA: N/Av

FLASH POINT AND METHOD OF DETERMINATION: Propellant < 0 F, Tagged Closed Cup

FLAMMABLE LIMITS: Lower (LEL): 1.8% @ 25 C Upper (UEL): 9.5% @ 25 C

AUTOIGNITION TEMPERATURE: N/Av

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon (CO, CO₂), smoke, and vapors as products of incomplete combustion.

EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: N/Av

EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: N/Av

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.

SPECIAL FIRE AND EXPLOSION HAZARDS: Contents extremely flammable and under pressure.

SECTION 6 ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES: Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill.

SPILL CLEANUP: Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.

SPECIAL INSTRUCTIONS: Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilate provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal.

REPORTING REQUIREMENTS: Spills due to the rupture of a single aerosol can are generally below any regulatory reporting requirements. However, if larger spills somehow result, the reporting requirements of all governing agencies should be observed.

SECTION 7 HANDLING AND STORAGE

HANDLING: Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use.



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STORAGE: Storage of individual cans should be done in an area below 120F, and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 1 Aerosol.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES: Since this product is a mixture, an exposure value is not available. In determination of any exposure procedures, protection, or testing, use the lowest rated ingredient from Section 2.

ENGINEERING AND EXPOSURE CONTROLS: General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest PEL rated ingredient from Section 2.

RESPIRATORY PROTECTION: A NIOSH approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary within the United States.

SKIN AND HAND PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

EYE PROTECTION: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/D	MELTING/FREEZING POINT: . . . N/D
SPECIFIC GRAVITY (H₂O=1): . . . 0.848 g/cc	COEFF. OF WATER/OIL DIST.: . . . N/D
VAPOR PRESSURE: Approx 70 psig	pH: Neutral
VAPOR DENSITY: N/D	EVAPORATION RATE: Rapid
PHYSICAL STATE: Liquid Under Pressure	WATER SOLUBILITY: N/D
PERCENT VOLATILE: 58% Wt (65% Vol) Max	VOLATILITY: 3.701 lbs/gal (0.444 g/cc)
PERCENT VOC: 58% Wt (65% Vol) Max	MIR VALUE: 0.952
VISCOSITY: N/D	ODOR THRESHOLD: N/D
APPEARANCE: Clear Liquid	ODOR: Solvent-Like

SECTION 10 STABILITY AND REACTIVITY

CONDITIONS OF INSTABILITY: . . N/Av	STABILITY: Stable
HAZARD POLYMERIZATION: . . . Not expected to occur	
MATERIAL INCOMPATIBILITY: . . Strong oxidizers, nitrates, alkalis, acids, chlorine, fluorine	
CONDITIONS OF REACTIVITY: . . Heat, sparks, flame, red hot metal	
DECOMPOSITION PRODUCTS: . . Oxides of carbon	

SECTION 11 TOXICOLOGICAL INFORMATION

LD50 AND LC50 SPECIES/ROUTE INFORMATION:

INGREDIENT	ORAL LD50	DERMAL LD50	INHALATION LC50
Oxibismethane	N/Av	N/Av	164 mg/l /4hr, rat
Methyl Ethyl Ketone	> 2600 mg/kg, rat	>8000 mg/kg, rabbit	20 mg/l /4hr, rat
Toluene	636 mg/kg, rat	12124 mg/kg, rabbit	49 mg/m ³ /4hr, rat
Diethylene Glycol Monobutyl Ether Acetate	11960 mg/kg, rat	12500 mg/kg, rabbit	N/Av

REPRODUCTIVE TOXICITY: . . . Toluene is listed on Prop 65	IRRITANCY OF PRODUCT: MEK irritates the eyes
SENSITIZATION TO PRODUCT: . . N/Av	TERATOGENICITY: N/Av
MUTAGENICITY: N/Av	SYNERGISTIC PRODUCTS: N/Av

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY:

INGREDIENT	FISH LC50	DAPHNIA EC50	ALGAL IC50	BACTERIAL EC50
Oxibismethane	N/Av	N/Av	N/Av	N/Av
Methyl Ethyl Ketone	3220 mg/l /96 hr	5061 mg/l /48 hr	>4300 mg/l /7 day	1160 mg/l /16 hr
Toluene	13 mg/l /96 hr	11 mg/l /48 hr	12 mg/l /72 hr	20 mg/l /30 min
Diethylene Glycol Monobutyl Ether Acetate	N/Av	N/Av	N/Av	N/Av

WHMIS Classification: A, B1, D2A, D2B

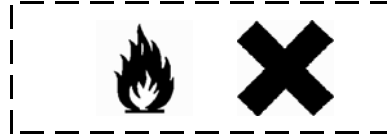
EUROPEAN UNION:

INGREDIENT	EINECS	SYMBOL	RISK PHRASES	SAFETY PHRASES
Oxibismethane	204-065-8	F+	12	2-9-16-33
Toluene	203-625-9	F, Xn	11-20	16-25-29-33
Methyl Ethyl Ketone	201-159-0	F, Xi	11-36-66-67	9-16
Diethylene Glycol Monobutyl Ether Acetate	-	-	-	-

SECTION 16 OTHER INFORMATION



Canadian Hazard Symbols



European Hazard Symbols

HMIS and NFPA RATINGS:

	HEALTH	FLAMMABILITY	REACTIVITY	SPECIAL
HMIS RATING	2	4	1	B
NFPA RATING	2	4	1	-

R and S PHASES (European Union):

CODE	RISK or SAFETY PHRASE
R12	Extremely Flammable
R20	Harmful by inhalation
R36	Irritating to eyes
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
S2	Keep out of the reach of children
S9	Keep container in a well-ventilated place
S16	Keep away from sources of ignition – No smoking
S25	Avoid contact with eyes
S29	Do not empty into drains
S33	Take precautionary measures against static discharge

DISCLAIMER OF LIABILITY:

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REVISIONS:

Revision 1 - 03/08/2005 Original