

MATERIAL SAFETY DATA SHEET*Corresponds to ANSI Z400.1-2004*

Product Name: DUALCURE 310 EMULSION

Revision Date: May 1, 2007

Supersedes Date:

Section 1:

Manufacturer for

Lawson Screen & Digital Products, Inc.

Address (Number, Street,)

5110 Penrose St.

(City, State, ZIP Code)

St. Louis, Mo 63115

Signature of Preparer (optional)

Emergency Telephone Number

CHEMTREC: (800)424-9300 or (703)527-3887

Telephone Number for Information

(314)382-9300 Fax#: (314)382-3012

Revision Date

May 1, 2007**Section 2: HAZARDS IDENTIFICATION:****EMERGENCY OVERVIEW**

Appearance / Odor: Viscous Opaque Liquid / Mild Aroma

Potential Health Hazards: See Section 11 for more information

Likely Routs of Exposure: Eye contact, skin contact, ingestion

EYE: Can cause eye irritation upon contact.

SKIN: Can cause skin irritation with prolonged contact

INGESTION: Not known to be toxic by ingestion.

Medical Conditions Aggravated By Exposure: May cause skin irritation in people with pre-existing conditions.

This product does not contain any known carcinogens or potential carcinogens as listed by OSHA or the NTP. The IARC assigns polyvinyl acetate a rating Group of 3 (The agent is unclassifiable as to carcinogenicity to humans).

This material is NOT considered hazardous by the OSHA Communications Standard (29 CFR 1910.1200)

Potential Environmental Effects: None known. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	% By WEIGHT	HAZARD TYPE
POLYVINYL ALCOHOL	9002-89-5	<10%	NONHAZARDOUS
POLYVINYL ACETATE	9003-20-7	>10%	NONHAZARDOUS
ACRYLATE	TRADE SECRET		MILD IRRITANT

Section 4: FIRST AID MEASURES

EYE EXPOSURE: Flush with large amounts of water for at least 15 minutes including under eyelids. Consult a physician.

SKIN EXPOSURE: Wash thoroughly with soap and water, if irritation results, consult a physician.

INGESTION: If symptoms persist consult a physician.

Note to Physicians:

Treat any skin or eye irritation accordingly after decontamination.

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Section 5: FIRE FIGHTING MEASURESSuitable Extinguishing Media: CO₂, powder or water spray. Fight larger fires with water spray or foam.

Unsuitable Extinguishing Media: None Known

Products of Combustion: Carbon monoxide / dioxide, formic acid.

Protection of Firefighters: No special measures are known to be needed.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Do not allow large quantities of undiluted product to reach ground water, water course or sewage system.

Methods of Containment: Dike and absorb large quantities of spilled product in suitable media.

Methods for Clean-up: Absorb large quantities of spilled material in suitable media. Place in a closed container and dispose according to local, state and federal regulations. Material should not be combined with household waste. Do not allow product to reach sewage system.

Other Information: Spills of this material need not be reported to the National Response Center.

Section 7: HANDLING AND STORAGE**Handling**

No special measures required

Storage

Do not allow to freeze. Keep away from extreme heat. Do not expose to light (exposed product can lose its effectiveness). Keep container closed when not in use.

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION**Exposure Guidelines**

Polyvinyl Alcohol Not Established

Polyvinyl Acetate Not Established

Acrylate PEL or TLV has not been established

Engineering Controls: None known to be needed

Eye/Face Protection: NIOSH approved safety glasses or goggles recommended during handling.

Skin Protection: Wear protective gloves made of material impermeable and resistant to the product.

Respiratory Protection: Not required.

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General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking. Have eye-wash facilities immediately available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Color: Opaque	Flammability (solid, gas): Not applicable
Odor: Mild	Upper Flammability Limit: Not applicable
Odor Threshold: Not available	Lower Flammability Limit: Not applicable
Physical State: Viscous Liquid	Vapor Pressure: 23hPa @ 25°C
pH: 4.2-5.8	Vapor Density: Not available
Freezing Point: ~32°F (0°C)	Specific Gravity: 1.1g/cm ³ @ 25°C
Boiling Point: ~212°F (100°C)	Partition Coefficient (n-octanol/water): Not available
Flash Point: Not applicable	Auto-ignition Temperature: Not applicable
Evaporation Rate: Not available	Percent Volatile, wgt %: Not available
Volatile Organic Compound (VOC) content, wgt %: None known	

Section 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: No decomposition if used according to specifications.

Incompatible Material: Do not store together with oxidizing and acidic materials.

Hazardous Decomposition Products: No hazardous decomposition products known.

Possibility of Hazardous Reactions: Will not occur.

Section 11: TOXICOLOGY INFORMATION

ACUTE EFFECTS:

Oral LD₅₀: Not determinedDermal LD₅₀: Not determined

Inhalation: No known effects

Eye irritation: May cause irritation.

Skin irritation: May cause irritation with prolonged exposure.

Sensitization: No data available for product or components indicating skin sensitization.

CRONIC EFFECTS: Carcinogenicity: No listing of carcinogenic effects from the product or components except that the IARC lists one component (polyvinyl acetate) as Group 3 (The agent is unclassifiable as to carcinogenicity to humans).

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Mutagenicity: No data available for product or components.

Reproductive Effects: No data available for product or components.

Developmental Effects: No data available for product or components.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No known aquatic toxicity.

Persistence/Degradability: Degradation is expected under aerobic and anaerobic conditions.

Bioaccumulation/Accumulation: No appreciable bioconcentration is expected in the environment.

Mobility in Environment: No environmental mobility is known or anticipated for this product.

Section 13: DISPOSAL CONSIDERATIONS

Disposal: This product is NOT a RCRA hazardous waste. Dispose of in accordance with federal, state and local regulations.

Section 14: TRANSPORTATION INFORMATION

US DOT (ground): This product is not regulated.

CANADIAN TDG (ground): This product is not regulated

ICAO (air): This product is not regulated

IMDG (maritime): This product is not regulated

Section 15: REGULATORY INFORMATION

Global Inventories

TSCA: United States: Product components included

DSL: Canada: Product components included

SARA 313 Information: This product does not contain SARA Title III, Section 313 Reportable Material California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

WHIMS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR

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Section 16: OTHER INFORMATION

HMIS: Hazardous Materials Identification System

Health- 1 Fire- 0 Physical Hazard- 0 Personal Protection- B

0= minimal hazard, 4= high hazard, Personal Protection = Safety Glasses, Gloves

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for his or her own particular use. While the information and recommendations set forth herein are believed to be accurate as of the date hereof, the manufacturer makes no warranty with respect thereto and disclaims all liability from reliance thereon.



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