

From: Claridge

# MATERIAL SAFETY DATA SHEET

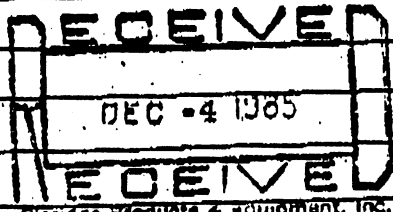
Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I Liquid Chalk Marker

|  |  |
|--|--|
| MANUFACTURER'S NAME<br>SANFORD CORPORATION   | EMERGENCY TELEPHONE NO.<br>(312) 547-6650                |
| ADDRESS (Number, Street, City, State, and ZIP Code)<br>2740 Washington Blvd., Bellwood, IL 60104 |  |
| CHEMICAL NAME AND SYNONYMS<br>Sanford's Dry Erase Inks   | TRADE NAME AND SYNONYMS<br>CLARIDGE LCS DRY ERASE MARKER |
| CHEMICAL FAMILY<br>Mixture   | FORMULA<br>PROPRIETARY                                   |

## SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS                     | %     | TLV (Units) | ALLOYS AND METALLIC COATINGS           | % | TLV (Units) |
|---|-------|-------------|--|---|-------------|
| PIGMENTS  | 2-5   | Undet       | BASE METAL                             | - |             |
| CATALYST  | -     |             | ALLOYS                                 | - |             |
| VEHICLE Vinyl   | 3-10  | Undet       | METALLIC COATINGS                      | - |             |
| SOLVENTS **   | 75-85 | 50ppm       | FILLER METAL PLUS COATING OR CORE FLUX | - |             |
| ADDITIVES Plasticizers                                | 5-10  | Undet       | OTHERS                                 | - |             |
| OTHERS  | -     |             |  |   |             |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES |       |             |  | % | TLV (Units) |
| **Ketones, Esters, Alcohols                           |       |             |  |   |             |



Claridge Products & Equipment, Inc.  
HARRISON, ARKANSAS

## SECTION III - PHYSICAL DATA

|                         |                             |                                       |           |
|-------------------------|-----------------------------|---------------------------------------|-----------|
| BOILING POINT (°F.)     | 235                         | SPECIFIC GRAVITY (H <sub>2</sub> O=1) | 0.84-0.87 |
| VAPOR PRESSURE (mm Hg.) | 10-16                       | PERCENT VOLATILE BY VOLUME (%)        | 90-95     |
| VAPOR DENSITY (AIR=1)   | 3.5-4.0                     | EVAPORATION RATE (Butyl Acetate)      | 1.6       |
| SOLUBILITY IN WATER     | NIL                         |                                       |           |
| APPEARANCE AND ODOR     | Colored Liquid, Ketone Odor |                                       |           |

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

|  |                  |     |     |
|--|------------------|-----|-----|
| FLASH POINT (Minnob UMG)<br>60°F (TCC)   | FLAMMABLE LIMITS | LeL | UeL |
| EXTINGUISHING MEDIA<br>Alcohol foam, dry chemical, or carbon dioxide.  |                  |     |     |
| SPECIAL FIRE FIGHTING PROCEDURES<br>Self contained breathing apparatus with a full facepiece operated in a positive pressure mode. |                  |     |     |
| UNUSUAL FIRE AND EXPLOSION HAZARDS<br>Heavier than air vapors.   |                  |     |     |

SECTION V - HEALTH HAZARD DATA

T - THRESHOLD LIMIT VALUE  
See Section II

EFFECTS OF OVEREXPOSURE

Eyes - severe irritation, blurred vision; Skin - moderate irritation; Inhalation - respiratory irritation, dizziness, nausea, headache; Ingestion - gastrointestinal irritation, nausea, vomiting

EMERGENCY AND FIRST AID PROCEDURES

Eyes - flush with water, call physician; Skin - wash thoroughly with soap and water; Inhalation - remove to fresh air, call physician if symptoms persist; Ingestion -

do not induce vomiting, call physician.

SECTION VI - REACTIVITY DATA

|           |          |   |                         |
|-----------|----------|---|-------------------------|
| STABILITY | UNSTABLE |   | CONDITIONS TO AVOID     |
|           | STABLE   | X | High heat, open flames. |

INCOMPATIBILITY (Materials to avoid)  
Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Burning can produce carbon monoxide and carbon dioxide.

|                          |                |   |                     |
|--------------------------|----------------|---|---------------------|
| HAZARDOUS POLYMERIZATION | MAY OCCUR      |   | CONDITIONS TO AVOID |
|                          | WILL NOT OCCUR | X |                     |

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate all ignition sources, ventilate area, collect with absorbent material.

WASTE DISPOSAL METHOD

Dry absorbent material in hood and dispose of absorbent material as solid waste.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

If any TLV is exceeded, use NIOSH/MSHA air supplied respirator.

|             |  |         |
|-------------|--|---------|
| VENTILATION | LOCAL EXHAUST Acceptable to keep exposure below TLV's        | SPECIAL |
|             | MECHANICAL (General) Acceptable to keep exposure below TLV's | OTHER   |

PROTECTIVE GLOVES: Solvent resistant as needed. EYE PROTECTION: OSHA approved for splash protection.

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Storage appropriate for flammable liquids.

OTHER PRECAUTIONS

PAGE (2) \*The information on this Material Safety Data Sheet refers to the inks used in these pens or markers and it applies to handling this ink in bulk. The ink in the pens or markers is contained in a capillary reservoir and tip, and will not