

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

FORM APPROVED
OMB NO. 44-R1387

MATERIAL SAFETY DATA SHEET

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

SECTION I

MANUFACTURER'S NAME SANFORD CORPORATION		EMERGENCY TELEPHONE NO. (312) 378-4814
ADDRESS (Number, Street, City, State, and ZIP Code) 2740 Washington Blvd., Bellwood, IL 60104		
CHEMICAL NAME AND SYNONYMS Sanford's Dry Erase Inks		TRADE NAME AND SYNONYMS EXPO MARKER *
CHEMICAL FAMILY Mixture	FORMULA 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					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	235	SPECIFIC GRAVITY (H ₂ 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 (Method used) 60°F (TCC)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Alcohol foam, dry chemical, or carbon dioxide.			
SPECIAL FIRE FIGHTING PROCEDURES Self contained breathing apparatus with a full facepiece operated in a positive pressure mode.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Heavier than air vapors.			

SECTION V - HEALTH HAZARD DATA

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