

64-137A

MATERIAL SAFETY DATA SHEET

413

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 Dri-Line Ink	TRADE NAME AND SYNONYMS MAGNUM 44
CHEMICAL FAMILY Mixture	FORMULA PROPRIETARY

SECTION II - HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	-		BASE METAL	-	
CATALYST	-		ALLOYS	-	
VEHICLE Resins	6-8	Undet.	METALLIC COATINGS	-	
SOLVENTS **	80-88	100ppm	FILLER METAL PLUS COATING OR CORE FLUX	-	
ADDITIVES Cresol	0-2	5ppm	OTHERS	-	
OTHERS Dyes	4-13	Undet.			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
** Toluene, Xylene, Aromatic blend					

SECTION III - PHYSICAL DATA			
BOILING POINT (°F.)	232	SPECIFIC GRAVITY (H ₂ O=1)	0.88-0.91
VAPOR PRESSURE (mm Hg.)	22	PERCENT VOLATILE BY VOLUME (%)	80-90
VAPOR DENSITY (AIR=1)	> 1	EVAPORATION RATE (Ethyl Ether)	< 1
SOLUBILITY IN WATER	NIL		
APPEARANCE AND ODOR	Colored Liquid, Aromatic Odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used) < 730 F (TCC)	FLAMMABLE LIMITS	LeI	UeI
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.
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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 soil or leak under normal conditions.