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MATERIAL SAFETY DATA SHEET

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SECTION 1 -- PRODUCT INFORMATION

TRADE NAME: 5500 SERIES FLAT POSTER INK

PRODUCT CLASS: ETHYL CELLULOSE LACQUER

PRODUCT GROUP: X55

CD: 55L  
- H M I S C O D E S -  
HEALTH - 1  
FLAMMABILITY - 2  
REACTIVITY - 0

PRODUCT	wt/gal	VOC	VOC	% VOC	PRODUCT	wt/gal	VOC	VOC	% VOC
	lb	g/l	lb/gal	VOL		lb	g/l	lb/gal	VOL
5501	11.3	475	4.0	62	5502	11.7	474	4.0	61
5504	9.2	469	3.9	60	5510	8.4	543	4.5	68
5514	8.8	541	4.5	68	5516	8.6	547	4.6	69
5518	11.5	480	4.0	60	5520	8.7	552	4.6	69
5525	8.4	546	4.6	70	5533	9.3	531	4.4	68
5544	8.0	549	4.6	70	5555	9.0	544	4.5	69
5505	8.8	421	3.5	52		.0	0	.0	0

SECTION 2 -- HAZARDOUS INGREDIENTS

CHEMICAL NAME; COMMON NAME; CAS NUMBER	PERCENT BY WEIGHT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE IN mmHg
		TLV	PEL	
PETROLEUM DISTILLATES; RULE 66 MINERAL SPIRITS; 64742-88-7	31-51	100PPM	500PPM	2MM @ 20C
* LEAD COMPOUNDS; CAS#: 7439-92-1; (CAS # & EXPOSURE LIMITS ARE FOR INORGANIC LEAD DUSTS & FUMES)	2-17	.150MG/M3	.050MG/M3	NA
* CHROMIUM COMPOUNDS; CAS #: 7440-47-3; (CAS# & EXPOSURE LIMIS ARE FOR CHROMIUM METAL)	1- 3	.050MG/M3	.100MG/M3 CEILING VALUE	NA
* SUBJECT TO REPORTING REQUIREMENT OF SECTION 313 OF TITLE III OF SARA (40 CFR PART 372)				

SECTION 3 -- PHYSICAL DATA

BOILING RANGE: 315 DEG F - 385 DEG F VAPOR DENSITY: HEAVIER THAN AIR  
EVAPORATION RATE: SLOWER THAN ETHER SEE SECTION 1 FOR VOC DATA.  
SEE SECTION 1 FOR WEIGHT PER GAL. DATA

SECTION 4 -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:  
Combustible Liquid Class II

OTHER COMMENTS:  
Combustible Liquid

FLASH POINT:  
105 Deg.F TCC

LOWER EXPLOSIVE LEVEL:  
1

EXTINGUISHING MEDIA:  
Foam, CO2, Dry Chemical

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
Keep containers tightly closed. Isolate from heat, electrical equipment,  
sparks, and open flame. Closed containers may explode when exposed to  
extreme heat. Do not apply to hot surfaces. Water spray may be  
ineffective. Water may be used to cool closed containers to prevent

pressure buildup and possible autoignition or explosion exposed to extreme heat. If water is used, fog nozzles are preferable.

## SPECIAL FIREFIGHTING PROCEDURES:

N/A

## SECTION 5 -- HEALTH HAZARD DATA

## EFFECTS OF OVEREXPOSURE:

Inhalation: Anesthetic. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness or coma. Skin or eye contact: Primary irritation. Contains lead and chromates and the physician should be so advised. Repeated and prolonged overexposure by ingestion may cause delayed damage to blood, gastrointestinal, nervous, reproductive systems and birth defects.

## MEDICAL CONDITIONS PRONE TO AGGRAVATE BY EXPOSURE:

N/A

## PRIMARY ROUTE(S) OF ENTRY:

Dermal, inhalation and ingestion.

## EMERGENCY AND FIRST AID PROCEDURES:

Fumes: Remove from exposure. Restore breathing. Keep warm and quiet. Notify a physician. Splash (Eyes): Flush immediately with copious quantities of running water for at least 15 minutes. Take to a physician for definitive medical treatment. Splash (Skin): Remove with soap and water. Remove contaminated clothing. Do not induce vomiting if swallowed.

## OTHER COMMENTS:

Chromium and certain chromium compounds are included in NTP and IARC lists

## OTHER COMMENTS:

of carcinogens.

## SECTION 6 -- REACTIVITY DATA

## STABILITY:

Stable

## CONDITIONS TO AVOID:

N/A

## INCOMPATIBILITY (WITH MATERIALS):

N/A

## HAZARDOUS DECOMPOSITION PRODUCTS:

May produce hazardous fumes when heated to decomposition as in welding. Fumes may contain carbon monoxide and oxides of nitrogen. In the event of fire, lead oxide and chromium oxide may be produced.

## HAZARDOUS POLYMERIZATION:

Will not occur.

## SECTION 7 -- SPILL OR LEAK PROCEDURES

## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flames, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Ventilate area. Remove with inert, absorbent and non-sparking tools.

## WASTE DISPOSAL METHOD:

Dispose of in accordance with applicable local, county, state and federal regulations. Do not incinerate closed containers.

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**SECTION 8 -- SPECIAL PROTECTION INFORMATION**

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**RESPIRATORY PROTECTION:**

If vapor concentration exceeds the TLV listed in Section II, use NIOSH approved respiratory with organic chemical cartridge. Consult a reputable Safety Supply company for proper respirator selection.

**VENTILATION:**

Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of most hazardous ingredient in Section II below acceptable limit, LEL in Section IV below stated limit, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

**PROTECTIVE GLOVES:**

Solvent resistant gloves required for prolonged or repeated contact.

**EYE PROTECTION:**

Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTION:**

Prevent prolonged skin contact with contaminated clothing.

**HYGIENIC PRACTICES:**

Wash with soap and water before eating, smoking, or using toilet facilities.

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**SECTION 9 -- SPECIAL PRECAUTIONS**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Do not store above 120 degrees F. Store large quantities in buildings designed for storage of NFPA Class II combustible liquids.

**OTHER PRECAUTIONS:**

Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquids in excess of a few inches. Do not flame cut, braze, or weld without MSHA or NIOSH approved respirator or appropriate ventilation.

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**SECTION 10 -- DISCLOSURE**

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**DISCLOSURE INFORMATION:**

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

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