



### MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard (29 CFR 1910.1200) and the American National Standards Institute Standard for MSDSs (ANSI Z400.1)

#### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Manufactured by:</b> Superior Printing Ink Co., Inc. <b>Address:</b> 100 North Street Teterboro, NJ 07608		<b>Identity (Trade name as used on label)</b> <b>Product Class:</b> Oxidizing Offset Inks <b>Trade name:</b> ELITE PRECISION PANTONE® COLORS <b>Item Nos.:</b> All Codes (see page 2)
<b>Date Prepared:</b> December 15, 2011	<b>Revision:</b> 0	<b>Prepared By:</b> Charmain Page-Walthrus
<b>Information Calls:</b> (201) 478-5600		<b>DOT Emergency Response:</b> (201) 478-5600

#### SECTION 2 – HAZARDS IDENTIFICATION

**Emergency Overview:** Colored paste with mild odor.  
 Can cause skin, eye, or respiratory tract irritation.  
 Combustible – may burn, but will not ignite readily; fire fighters should be equipped with self contained breathing apparatus and turnout gear.

**Potential Health Effects:**

Skin – Prolonged or repeated contact with liquid can cause irritation and/or dermatitis.  
 Eyes – Vapors and splashes to the eyes are moderately irritating.  
 Inhalation – Irritating to the respiratory tract and mucous membranes.  
 Ingestion – Causes irritation to the gastrointestinal tract; symptoms may include nausea, vomiting and diarrhea.

**Conditions Aggravated by Exposure:** Persons with pre-existing skin disorders may be more susceptible to the effects of exposure.

#### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Wt. %
Vegetable Oils	Mixture	19 – 40
Sweetened Middle Distillate	64741-86-2	2 – 28
Technical White Oil	8042-47-5	
Resins	Mixture	21 – 38
Pigments	Mixture	14 – 30
Warm Red Pigment (Barium Compound)	5160-02-1 / 7585-41-3	29 / 25
Additives	Mixture	4 – 10
Manganese Compound	27253-32-3; 15956-58-8	0.5 – 2

#### SECTION 4 – FIRST AID MEASURES

<b>Eye Contact:</b> Immediately flush with water for at least 15 minutes; seek medical attention.	<b>Ingestion:</b> If swallowed, seek immediate medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
<b>Skin Contact:</b> Remove contaminated clothing; launder before re-use. Wash skin with soap and water; if irritated, seek medical attention.	<b>Inhalation:</b> Immediately remove to fresh air. Seek medical attention.

#### SECTION 5 – FIRE FIGHTING MEASURES

<b>Flash Point(°F):</b> > 200 SETA CC	<b>Auto Ignition Temperature:</b> No Data	<b>Explosion Limits:</b> No Data
<b>Extinguisher Media:</b> Foam, dry chemical; use water spray to cool exposed surfaces. When water is used, fog nozzles are preferable.		
<b>Unusual Fire &amp; Explosion Hazards:</b> Dense smoke may be generated when burning. Vapors are heavier than air and can accumulate in low areas. Fire media run-off can damage the environment. Dike and collect media used to fight fire.		

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

For small incidental spills and leaks, wear protective gloves and eye protection. Stop source of leak or spill. Isolate area of spill by diking, and/or add dry absorbent to prevent it from entering sewers, drains or waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before reuse; discard contaminated leather shoes.

For larger spill requiring emergency response, follow OSHA emergency response regulations and NIOSH recommendations. If possible, stop source of spill or release. Isolate the area of spill or release by diking to prevent it from entering sewers, drains or waterways. Clean up and place in a container approved for oily waste for disposal.

## SECTION 7 – HANDLING/STORAGE

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Wash hands thoroughly before eating, smoking or using toilet facilities. Do not eat, drink or smoke in work areas. Wash contaminated work clothing before reuse. Keep container closed when not in use. Use only with adequate ventilation. Store in a cool, dry, well-ventilated area.

## SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

**Ventilation:** Good, general ventilation should be sufficient for most operations. Ten or more room air changes per hour containing a minimum of 15 percent fresh air are recommended.

**Personal Protection:** Safety glasses and gloves impervious to the hazardous ingredients are recommended. If used under normal operating conditions, and with adequate ventilation, respiratory equipment is not required. Avoid excessive inhalation of ink mist.

OIL MIST	
OSHA TLV	ACGIH PEL
5 mg/m <sup>3</sup>	5mg/m <sup>3</sup>

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Colored Paste

**TYPE OF ODOR:** Oily

**LIQUID DENSITY vs. water:** Heavier

**VAPOR DENSITY vs. air:** Heavier

**BOILING RANGE (°F):** 520 – 578

**pH:** 6 – 8

**EVAPORATION RATE vs. Butyl Acetate:** Slower

**SOLUBILITY IN WATER:** None

COLOR	PRODUCT №	VOC, WT.%	SPECIFIC GRAVITY	LBS/GAL	VOC LBS/GAL
YELLOW	YA-2000	15.0	0.98	8.23	1.42
WARM RED	MRA-1000	11.2	1.11	9.28	1.11
WARM RED COATABLE	MRA-1001	10.5	1.08	9.03	1.69
RUBINE RED	DRA-1000	22.3	1.02	8.50	2.00
RUBINE RED COATABLE	DRA-1001	15.8	1.01	8.44	0.89
RHODAMINE RED	DRA-2000	13.6	1.09	9.08	1.27
RHODAMINE RED COATABLE	DRA-2001	10.9	1.04	8.66	0.93
PURPLE	PA-1000	19.7	1.04	8.66	1.64
PURPLE COATABLE	PA-1001	6.2	1.02	8.49	0.65
VIOLET	PA-2000	22.7	1.06	8.82	2.03
VIOLET COTABLE	PA-2001	2.0	1.03	8.60	0.13
PROCESS BLUE	MBA-1000	11.9	1.09	9.08	2.36
REFLEX BLUE	DBA-1000	18.2	1.03	8.57	1.34
REFLEX BLUE COATABLE	DBA-1001	8.8	1.06	8.87	1.55
GREEN	MGA-1000	23.5	1.08	9.00	2.34
TRANSPARENT WHITE	W-1000	28.4	0.95	7.90	1.58
NEUTRAL BLACK	A-1000	15.6	1.09	9.07	1.80

## SECTION 10 – STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will NOT occur; product is stable.

**Hazardous Decomposition Products:** Includes, but not limited to smoke, fumes, carbon monoxide, carbon dioxide.

**Materials and Conditions to Avoid:** Avoid heat, sparks & open flames.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**LD50 (oral, rat):** No data available.

**Acute Overexposure:** May cause skin, eye and respiratory tract irritation.

**Chronic Overexposure:** Skin contact may result in dryness and/or irritation and dermatitis may develop with prolonged exposure.

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity Data:** No data available.

**Chemical Fate Data:** No data available.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Hazardous Waste Characterization:** None

**Recommendation:** Dispose of materials associated with cleaning up spills and/or leaks according to federal, state and local regulations for ignitable waste. Consult appropriate federal, state and local regulations to determine proper characterization of used product contaminated with other printing process products.

## SECTION 14 – TRANSPORT INFORMATION

**Ground Shipping (US DOT 49 CFR):** Not Regulated.

**Air (ICAO/IATA) Shipping:** Not Regulated.

**International Maritime Organization (IMDG) Shipping:** Not Regulated.

## SECTION 15 – REGULATORY INFORMATION

**SARA Title III, Sections 311, 312 and 313** - This product is subject to reporting requirements of Sections 311, 312 and 313 (Toxic Release Inventory) of the Emergency Planning and Community Right-to-Know Act of 1996 (see Section 3).

**SARA Title III, Sections 302 and 304 (Extremely Hazardous Substances)** – This product is not subject to reporting requirements of Sections 302 and 304 of the Emergency Planning and Community Right-to-Know Act of 1996.

**Clean Air Act (CAA) Hazardous Air Contaminants Rule (Hazardous Air Pollutant - HAP)** – This product does not contain any substance listed under section 112(r) of the Clean Air Act (CAA).

**California Proposition 65:** – This product does not contain any substances known to the state of California to cause cancer and/or reproductive toxicity.

**Canadian DSL/NDSL Inventory:** Components of this product are listed on either the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL).

**TSCA Inventory:** All of this product's components are listed.

## SECTION 16 – OTHER INFORMATION

FOR INDUSTRIAL USE ONLY

USE ONLY AS DIRECTED

DO NOT TAKE INTERNALLY

### HMIS III HAZARD RATING

**Health – 1**

**Flammability – 1**

**Physical Hazard - 0**

**Personal Protection Equipment:** Glasses, Gloves

**Health:** 0 = Minimal  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

**Flammability:** 0 = Will Not Burn  
1 = Moderate Caution (Flash Point > 200° F)  
2 = Caution (Flash Point > 100° F and < 200° F)  
3 = Great Caution (Flash Point < 100° F, Boiling Point > 100° F)  
4 = Extreme Caution (Flash Point and Boiling Point < 100° F)

**Physical Hazard:** 0 = Stable  
1 = Normally Stable  
2 = Unstable  
3 = Explosive  
4 = May Detonate

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