



### SAFETY DATA SHEET

This SDS complies with OSHA'S Hazard Communication Standard (29 CFR 1910.1200)

#### 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> QUICKSET PANTONE® COLORS <b>Item Nos.:</b> All Codes (see page 3) <b>Product Use:</b> Printing Ink
<b>Date Prepared:</b> January 21, 2016	<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

**Hazcom 2012/GHS Classification:** Eye Irritant Category 2A, Skin Sensitizer Category 1, Reproductive Toxicity Category 2, Specific Target Organ Toxicity Repeated Exposure Category 2 (Nervous system).

**Label Elements:**



**WARNING**

Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause damage to the nervous system through prolonged or repeated exposure.

**Prevention:**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mists or spray. Wash exposed skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves, clothing and eye protection.

**Response:**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

**IF exposed or concerned:** Get medical advice.

**Storage/Disposal:**

Store locked up. Dispose of contents and container in accordance with local, state and federal regulations.

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

Component	CAS Number	Wt. %
Resins	Mixture	35-75
Carbon Black (black ink only)	1333-86-4	15-30
Non-Hazardous Pigments	Mixture	10-50
Vegetable Oils	Mixture	5-40
Petroleum Distillate	64742-47-8	1-45
Additives	Mixture	1-10
Manganese Compound	Proprietary	1-2
Cobalt Compound	Proprietary	0-0.5
2-tert-Butylhydroquinone	1948-33-0	0-0.3

The exact percentage is a trade secret.



**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.
<b>Most Important symptoms and effects, both acute and delayed:</b> Causes eye and skin irritation. Inhalation of vapors may cause dizziness and drowsiness. May cause skin irritation on prolonged contact. Repeated skin contact may cause allergic skin reaction with rash. Repeated inhalation of mists may cause allergic respiratory reaction with asthma symptoms.	<b>Indication of any immediate medical attention and special treatment needed:</b> Immediate medical attention is recommended if breathing difficulties develop.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Suitable and Unsuitable Extinguishing Media:** Foam, dry chemical; use water spray to cool exposed surfaces. When water is used, fog nozzles are preferable.

**Special Hazards Arising from the Chemical:** Not classified as flammable or combustible but will burn under fire conditions. Dense smoke may be generated when burning. Fire media run-off can damage the environment. Dike and collect media used to fight fire.

**Special Equipment and Precautions for Fire-Fighters:** Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures:** For small incidental spills and leaks, wear protective gloves and eye protection. Wash all contaminated clothing before reuse; discard contaminated leather shoes. For larger spill requiring emergency response, follow OSHA emergency response regulations and NIOSH recommendations.

**Environmental Hazards:** Report spills and releases as required to appropriate authorities.

**Methods and Material for Containment and Cleaning Up:** 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.

**SECTION 7 – HANDLING/STORAGE**

**Precautions for Safe Handling:** 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. The yellow ink contains diarylide pigments which may be subject to breakdown at temperatures above 200C (392F). In the majority of printing ink systems, temperatures are lower and this thermal breakdown does not occur. It is recommended that diarylide pigments not be used under conditions where thermal breakdown can occur.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, dry, well-ventilated area. Store away from oxidizers.

**SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION**

Component	Exposure Limit
Resins	None Established
Carbon Black (black ink only)	3.5 mg/m <sup>3</sup> TWA OSHA PEL 3 mg/m <sup>3</sup> (inhalable) TWA ACGIH TLV
Non-Hazardous Pigments	None Established
Vegetable Oils	5 mg/m <sup>3</sup> (respirable) 15 mg/m <sup>3</sup> (total mist) TWA OSHA PEL
Petroleum Distillate	1200 mg/m <sup>3</sup> TWA manufacturer recommended
Additives	None Established
Manganese Compound	5 mg/m <sup>3</sup> , 1 ppm OSHA PEL TWA ACGIH
Cobalt Compound	0.1 mg/m <sup>3</sup> OSHA PEL
2-tert-Butylhydroquinone	1 mg/m <sup>3</sup> TWA ACGIH TLV; 2 mg/m <sup>3</sup> TWA OSHA PEL (as hydroquinone)



**SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION (Cont'd)**

**Appropriate Engineering Controls:** Good, general ventilation should be sufficient for most operations.

**Individual Protection Measures:**

Eye Protection: Safety glasses recommended.

Skin Protection: Impervious gloves recommended. Wear protective clothing if needed to avoid skin contact and contamination of personal clothing.

Respiratory Protection: If used under normal operating conditions, and with adequate ventilation, respiratory equipment is not required. Avoid excessive inhalation of ink mist.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Colored Paste

**TYPE OF ODOR:** Mild

**ODOR THRESHOLD:** Not determined

**RELATIVE DENSITY vs. water:** Heavier

**VAPOR DENSITY vs. air:** Heavier

**VAPOR PRESSURE:** Not determined

**FLASH POINT:** >200 SETA CC

**FLAMMABLE LIMITS:** Not determined

**AUTO-IGNITION TEMPERATURE:** Not determined

**BOILING RANGE (°F):** 520 - 578

**pH:** 6 - 8

**MELTING/FREEZING POINT:** Not determined

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

**SOLUBILITY IN WATER:** None

**VISCOSITY:** Not determined

**PARTITION COEFFICIENT:** Not determined

**FLAMMABILITY (solid, gas):** Not applicable

**DECOMPOSITION TEMPERATURE:** Not determined

COLOR	PRODUCT №	VOC, WT. %	SPECIFIC GRAVITY	LBS/GAL	VOC LBS/GAL
YELLOW	PS30Q	15.0	0.98	8.23	1.42
WARM RED	PS10Q	11.2	1.11	9.28	1.11
RUBINE RED	PS12Q	22.3	1.02	8.50	2.00
RHODAMINE RED	PS14Q	13.6	1.09	9.08	1.27
PURPLE	PS60Q	19.7	1.04	8.66	1.64
VIOLET	PS61Q	22.7	1.06	8.82	2.03
REFLEX BLUE	PS50Q	18.2	1.03	8.57	1.34
SUBSTITUTE REFLEX BLUE	GQ502	8.8	1.06	8.87	1.55
PROCESS BLUE	PS55Q	11.9	1.09	9.08	2.36
GREEN	PS40Q	23.5	1.08	9.00	2.34
TRANSPARENT WHITE	PS80Q	28.4	0.95	7.90	1.58
MIXING WHITE (OPAQUE)	GQ8216	3.0	2.59	21.6	0.65
NEUTRAL BLACK	PS70Q	25.3	0.95	7.92	2.50
INTENSE BLACK	GQ701	5.9	1.11	9.26	0.60



## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** None known

**Conditions to Avoid:** Avoid excessive heat and open flames.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Thermal decomposition will generate smoke, fumes, carbon monoxide, carbon dioxide, oxides of cobalt and manganese. The yellow ink contains diarylide pigments which may be subject to breakdown at temperatures above 200C (392F). This decomposition may produce monoazo dyes and 3,3'dichlorobenzidine.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS:

**Eye:** Causes eye irritation with redness and tearing. Irritation may persist for several days.

**Skin:** Causes irritation and drying of the skin. Repeated skin contact may cause allergic skin reaction with rash.

**Inhalation:** Mist or vapor can irritate the throat and lungs. High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Repeated inhalation of mists may cause allergic respiratory reaction with asthma symptoms.

**Ingestion:** If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects.

**Chronic Hazards:** Prolonged overexposure to manganese compounds may be harmful if absorbed through the skin and may cause damage to organs. Cobalt compounds may cause adverse reproductive effects.

**Carcinogen Status:** Cobalt and certain cobalt compounds have been found to cause cancer in laboratory animals. Cobalt Tallate has not been specifically tested. Carbon Black is listed by IARC as a group 2B carcinogen (possible human carcinogen). However, the carbon black is bound in the ink matrix and no exposure to free carbon black will occur in the normal use of this product. None of the other components of this product are listed as carcinogens by OSHA, IARC, NTP, ACGIH or the EU Directive.

**Acute Toxicity Values:** Components are not acutely toxic.

Vegetable Oils: LD50 oral rat >5000 mg/kg

Petroleum Distillate: LD50 oral rat >5000 mg/kg

Resins: LD50 oral rat >2000 mg/kg

Pigments: LD50 oral rat >2000 mg/kg

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**Other Adverse Effects:** None known



### 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 and 312 Hazard Classifications:** Acute Health, Chronic Health

**SARA Title III, Sections 313:** This product contains the following chemicals is subject to reporting requirements of Section 313 (Toxic Release Inventory) of the Emergency Planning and Community Right-to-Know Act of 1996: Manganese Compounds, Cobalt Compounds, Barium Compounds 25-30% (red ink only)

**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)** – Manganese Compound, Cobalt Compound

**California Proposition 65:** – This product contains substances known to the state of California to cause cancer and/or reproductive toxicity.

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

### SECTION 16 – OTHER INFORMATION

**Date Prepared:** January 21, 2016

FOR INDUSTRIAL USE ONLY

USE ONLY AS DIRECTED

DO NOT TAKE INTERNALLY

While Spinks Ink believes the data set forth herein are accurate as of the date hereof, Spinks Ink makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.