

P/N 3 SPCMXM-1 PS871QVP-2.7 PS874QVP-2.5 PS877QVP-2  
 SPCMXM-124 PS872QVP-2.7 PS875QVP-2.5  
 SPCMXM-51 PS873QVP-2.7 PS876QVP-2.5

**MATERIAL SAFETY DATA SHEET**

SPINKS INK COMPANY  
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 HMIS: H1 F1 R0

**SECTION I**

PRODUCT CLASS: Oxidizing Offset Ink  
 TRADE NAME: Quickset Pantone® 871 - 876 Golds,  
 PRODUCT NUMBER: PS871QVP; PS872QVP; PS873QVP; PS874QVP; PS875QVP; PS876QVP

**SECTION II — HAZARDOUS COMPONENTS**

This product contains copper and zinc which are hazardous materials under the OSHA Hazard Communication Standard, 29CFR 1910.1200.

**SECTION III — PHYSICAL DATA**

BOILING RANGE (°F): 530 - 578  
 VAPOR DENSITY VS. AIR: Heavier  
 LIQUID DENSITY VS. WATER: Heavier  
 EVAPORATION RATE VS. BUTYL ACETATE: Slower  
 SOLUBILITY IN WATER: None  
 APPEARANCE: Gold/Copper Paste  
 TYPE OF ODOR: Oily

	INK Nos.					
	PS871QVP	PS872QVP	PS873QVP	PS874QVP	PS875QVP	PS876QVP
SPECIFIC GRAVITY	1.41	1.41	1.42	1.30	1.34	1.34
*% VOLATILES WT	20.2	20.3	20.3	21.2	21.1	21.2
VOC WT/GAL	2.38	2.38	2.40	2.30	2.36	2.36

**SECTION IV — FIRE AND EXPLOSION DATA**

FLAMMABILITY CLASSIFICATION  
 NFPA: CLASS III B DOT: Not Regulated FLASH PT. (°F) >200 LEL: No Data  
 (Method used): SETA C.C.

EXTINGUISHING MEDIA: Dry chemical

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers of bronze ink contain combustible oils. When these containers of bronze ink are exposed to excessive heat, such as that emanating from a fire, there may be a build-up of pressure within the container due to the vaporization of oil contained therein, such that the container may rupture or the lid maybe blown off. If this should occur, there is a possibility that the combustible oil may ignite.

**FIREFIGHTING PROCEDURES**

If containers of bronze ink are exposed to excessive heat, such as that emanating from a fire, it may be possible to keep the containers cool by use of a water spray. However, if this attempted, extreme caution should be used. If the lid is blown off or the container should rupture, immediately discontinue use of the water spray.

SPECIAL FIRE FIGHTING PROCEDURES: NEVER USE water or fire extinguishers containing halogenated hydrocarbons to extinguish a fire involving bronze since it contains zinc. Burning zinc will react with water to liberate hydrogen gas that will spread the fire. Burning zinc may react with halogenated hydrocarbons to form violent reactions. Use only an NFPA class D fire extinguisher, equipped with a low velocity nozzle and containing dry chemical to extinguish bronze ink fire. Direct the fire extinguisher in such a manner that the dry chemical will "rain down" over the burning contents in the drum. If at some point during the fire, the burning contents in the container have the appearance of metal burning with a bright, whitish glow, do not attempt any further efforts to extinguish the fire. If possible, sprinkle the burning contents of the container with fine, moisture-free sand to remove the source of oxygen. Allow the contents to reach ambient temperature before making any attempts to dispose of the burned contents.

**SECTION V — HEALTH HAZARD DATA**

EFFECTS OF OVEREXPOSURE: Copper metal is slightly toxic. Inhalation of copper or copper/zinc alloy may cause acute irritation of the nose and/or trachea. May produce acute gastro enteric symptoms resulting in vomiting and/or inflammation, and/or may cause acute metal fume fever. Exposure of skin to copper or copper/zinc alloy may cause acute dermatitis. In the case of chronic exposure, the liver, kidneys, and/or spleen may be injured, and/or anemia may develop. Chronic toxicity is confined to those persons suffering from pre-existing Wilson's disease.

FOR THE OFFSET INK VEHICLE: The upper respiratory may be exposed in situations where a mist is present. Ingestion may be possible if materials are not thoroughly removed by washing prior to eating or drinking. Liquid material in contact with the eyes and skin will cause irritation. The toxic effects, if any, are unknown to the distributor at this time.

MEDICAL CONDITION PRONE TO AGGRAVATION BY EXPOSURE: The following medical conditions may be aggravated by exposure to copper or copper/zinc alloy:

- (a) Persons afflicted with chronic respiratory disease and/or Impaired pulmonary functions, especially those with obstructive Airway diseases.
- (b) Persons afflicted with pre-existing liver disease
- (c) Persons afflicted with pre-existing kidney disease.
- (d) Persons afflicted with pre-existing skin disorders
- (e) Persons afflicted with pre-existing blood disorders.
- (f) Persons afflicted with pre-existing Wilson's disease.

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### SECTION V — HEALTH HAZARD DATA (cont'd)

**OFFSET INK VEHICLE:** The medical conditions prone to aggravation by exposure to this offset vehicle are unknown to the distributor at this time.

**ROUTE(S) OF ENTRY:** Inhalation: X Eyes: Skin: X Ingestion: X

**EMERGENCY AND FIRST AID PROCEDURES:**

**Inhalation:** Remove from exposure, restore breathing, Consult physician.

**Eyes:** Flush with plenty of water, Consult physician.

**Skin:** Remove contaminated clothing. Wash with soap and water. Consult physician.

**Ingestion:** DO NOT INDUCE VOMITING. Immediately consult a physician.

### SECTION VI — REACTIVITY DATA

**PRODUCT STABILITY:** STABLE

**CONDITIONS TO AVOID:** Smoking, open flames, sparks, heat, and other potential source of ignition, including static electricity.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Oxidizing agents, acids, alkalis, water, and halogenated hydrocarbons.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, and in the case of burning brass, copper oxide and zinc oxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

### SECTION VII — SPILL OR LEAK PROCEDURES

**PROCEDURE WHEN MATERIAL SPILLED OR RELEASED:** Remove all sources of ignition. Wear solvent resistant gloves. Spread inert, absorbent material over spill contents. Use non-sparking scoops and/or shovels, and deposit in a steel container for disposal.

**WASTE DISPOSAL METHOD:** In accordance with Federal, State, and Local regulations.

### SECTION VIII — SPECIAL PROTECTION INFORMATION

**VENTILATION:** Use general dilution type which is adequate to keep vapor concentrations below the TLV-TWA & PEL given in sections II and LEL given in section IV.

**PROTECTIVE GLOVES:** For prolonged use, wear solvent-resistant type.

**RESPIRATORY PROTECTION:** If vapor concentrations are at or above the allowable exposure limit, wear a NIOSH approved chemical cartridge respirator that is suitable for organic vapors. In confined areas or enclosed spaces or where vapor concentrations could exceed 1000 ppm, wear a self-contained breathing apparatus with a full face piece.

**EYE PROTECTION:** None required in normal usage.

**OTHER PROTECTIVE EQUIPMENT:** Wear chemical resistant apron if a splash hazard exists.

### SECTION IX — SPECIAL PRECAUTIONS

**HANDLING AND STORAGE:** Store in sealed containers away from heat, sparks, open flames, and oxidizing materials. Fire extinguisher readily available and personnel trained in its proper use.

**OTHER PRECAUTIONS:** FOR INDUSTRIAL USE ONLY. DO NOT TAKE INTERNALLY. DO NOT REUSE CONTAINER FOR OTHER PURPOSES.

### SECTION 313 SUPPLIERS NOTIFICATION

This product contains the following toxic chemicals that are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372:

DESCRIPTION	PRODUCT NUMBER	REPORTABLE SUBSTANCES, % BY WEIGHT	
		COPPER	ZINC
QUICKSET PANTONE @ 871	PS871QVP	35	4
QUICKSET PANTONE @ 872	PS872QVP	22	6
QUICKSET PANTONE @ 873	PS873QVP	31	8
QUICKSET PANTONE @ 874	PS874QVP	25	8
QUICKSET PANTONE @ 875	PS875QVP	24	10
QUICKSET PANTONE @ 876	PS876QVP	24	10

@Check Standard for Pantone Matching System

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