

# MATERIAL SAFETY DATA SHEET

**SPINKS INK COMPANY**  
**1125 WEST REPUBLIC DRIVE**  
**ADDISON, IL 60101**

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## SECTION I

**PRODUCT CLASS:** Printing Ink Drier  
**TRADE NAME:** Twin Dry  
**PRODUCT NUMBER:** D-18

## SECTION II — HAZARDOUS COMPONENTS

component	CAS #	wt. %	OSHA PEL	ACCGIH TLV	other
Mn Tallate	8030-70-4	<50	5 mg/m <sup>3</sup> (ceiling)	5 mg/m <sup>3</sup>	
Co Tallate*	61789-52-4	40	0.05 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>	
Heavy Distillate	68476-34-6	10-15		5 mg/m <sup>3</sup>	

\*IARC has classified cobalt and cobalt compounds as Group 2B carcinogens.

## SECTION III — PHYSICAL DATA

**BOILING RANGE (°F):** 510  
**VAPOR DENSITY VS. AIR:** Heavier  
**LIQUID DENSITY VS. WATER:** Heavier  
**EVAPORATION RATE VS. BUTYL ACETATE:** Slower  
**SOLUBILITY IN WATER:** None  
**APPEARANCE:** Dark Liquid  
**TYPE OF ODOR:** Petroleum Hydrocarbon  
**% VOLATILES, Wt.:** N/A

## SECTION IV — FIRE AND EXPLOSION DATA

**FLAMMABILITY CLASSIFICATION**  
**OSHA:** CLASS III B      **DOT:** Not Regulated      **FLASH PT. (°F)** >250      **LEL:** No Data  
**(Method used):** SETA C.C.

**EXTINGUISHING MEDIA:** Use fog, foam, CO<sub>2</sub> or dry chemical

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Acrid and dense smoke may be generated when burning.

**SPECIAL FIRE FIGHTING PROCEDURES:** Fire fighters should be equipped with self-contained breathing apparatus and turnout gear. Water spray may be used to cool closed containers to prevent pressure build-up and possible auto-ignition when exposed to extreme heat. When water is used, fog nozzles are preferable.

## SECTION V — HEALTH HAZARD DATA

**MEDICAL CONDITION PRONE TO AGGRAVATION BY EXPOSURE AND ROUTES OF ENTRY:** May cause eye, skin or respiratory irritation. May be harmful if inhaled or swallowed. May cause central nervous system depression. May cause headache or dizziness.

**Ingestion:** Ingestion of significant amounts of cobalt may cause blood, heart, thyroid and pancreas damage. Manganese carboxylates have been shown to be primary irritants in animals.

**PRIMARY ROUTE(S) OF ENTRY:** INHALATION

### EMERGENCY AND FIRST AID PROCEDURES:

**Inhalation:** Remove from exposure, restore breathing. Call physician.  
**Eyes:** Flush with water for 15 minutes. Call physician.  
**Skin:** Wash with soap and water, remove contaminated clothing.  
**Ingestion:** DO NOT INDUCE VOMITING. CALL PHYSICIAN.

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## SECTION VI — REACTIVITY DATA

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**PRODUCT STABILITY:** STABLE

**CONDITIONS TO AVOID:** Heat, sparks, pilot lights, static electricity and open flames.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub> and N<sub>x</sub>O on burning.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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## SECTION VII — SPILL OR LEAK PROCEDURES

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**PROCEDURE WHEN MATERIAL SPILLED OR RELEASED:** Eliminate all sources of ignition. Persons not wearing protective equipment should be excluded from area. Stop spill at the source. Dike the area of the spill to prevent spreading. Pump into salvage drums. Remaining liquid may be absorbed with sand, clay, etc. and shoveled into containers. Prevent run-off to sewers or bodies of water.

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

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## SECTION VIII — SPECIAL PROTECTION INFORMATION

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**VENTILATION:** General ventilation or local exhaust ventilation to maintain exposure below TLV's.

**PROTECTIVE GLOVES:** Resistant gloves such as Neoprene are required for prolonged or repeated contact.

**RESPIRATORY PROTECTION:** NIOSH/MSHA respirators under specified conditions.

**EYE PROTECTION:** Chemical splash goggles are advised.

**OTHER PROTECTIVE EQUIPMENT:** Use chemical resistant apron or other impervious clothing if needed to avoid contaminating regular clothing.

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## SECTION IX — SPECIAL PRECAUTIONS

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**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. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER IGNITION SOURCES.

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## SECTION 313 SUPPLIER 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:

<u>Reportable Substance</u>	<u>% by Weight</u>
Manganese Compound	<50
Cobalt Compound	40

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