

TRADE NAME: CS Inks

DATE: May 2013  
(Revised)

I. PRODUCT IDENTIFICATION

Name/Synonym: Lithographic Ink

Part Numbers: CS-174-C  
CS-174-5  
CS-174-P

Mark Andy, Inc.  
18081 Chesterfield Airport Rd.  
Chesterfield, MO 63005

Company Phone: (US)800-225-4835 (CAN)800-387-3143  
Emergency Phone: Chemtrec (800)424-9300

II. INGREDIENTS - Confidential Information for Safety/Health Use Only

Chemical Name	CAS#	OSHA PEL		ACGIH, NIOSH TLV, EXPOSURE LIMITS		NTP, IARC OSHA	WT %
		TWA	STEL	TWA	STEL		
*modified rosin esters & hydrocarbon resins	N/E	N/E	N/E	N/E	N/E	No	20-25
carbon black***	1333-86-4	3.5mg/m3	N/E	N/E	N/E	No	20-25
petroleum distillate (severely hydrotreated)	N/E	N/E	N/E	N/E	N/E	No	20-25
technical white oil	8042-47-5	5mg/m3**	N/E	N/E	N/E	No	10-15
vegetable oils	N/E	5mg/m3**	N/E	N/E	N/E	No	3-5
*vegetable oil alkyds	N/E	N/E	N/E	N/E	N/E	No	3-5
*bodied linseed oil	67746-08-1	N/E	N/E	N/E	N/E	No	3-5
*anti-oxidant compound	N/E	N/E	N/E	N/E	N/E	No	3-5

\* non-hazardous as defined by 29CFR1910.1200. \*\* as oil mist. \*\*\* When wetted with vehicle, as in this product, it is no longer considered to be a health hazard.

III. PHYSICAL PROPERTIES

Boiling Point (°F): > 200oF  
Vapor Pressure (mmHg): N/A  
Vapor Density (Air=1): N/A  
Solubility in Water: < 0.1 %  
Appearance/Odor: Black paste, oily odor

Specific Gravity (H2O=1): 1.0+  
Melting Point: N/A  
Evaporation Rate(butyl acetate=1): Slower  
pH: N/A  
% VOC: 4.5%

IV. FIRE AND EXPLOSION HAZARD

Flash Point: 260°F PMCC  
Extinguishing Media: Foam, CO2, dry chemical.  
Special Fire Fighting Procedure: Water can be used to keep material cool. Self-contained breathing apparatus may be required.  
Unusual Fire/Explosion Hazards: Dense smoke generated while burning.

N/A = Not Applicable  
N/E = Not Established

V. REACTIVITY DATA

Stability: Stable Conditions to Avoid: Excess heat.  
Incompatibility, Materials to Avoid: Strong oxidizing agents.  
Hazardous Decomposition Products: Dense smoke and possible carbon  
dioxide and carbon monoxide.  
Hazardous Polymerization: Will not occur.

VI. SPILL OR LEAK PROCEDURE/WASTE DISPOSAL

Wipe up spills with rags. Dispose of rags in containers for oily waste. Disposal: Landfill or incineration in accordance with local, state and federal regulations for non-hazardous waste.

VII. HEALTH HAZARD DATA

- A) Routes of entry, signs and symptoms of overexposure, acute and chronic effects.  
Eye: Contact may cause burning and irritation.  
Skin: Prolonged or repeated exposure may cause irritation or dermatitis.  
Inhalation: Excessive inhalation of vapors may cause headaches, dizziness, drowsiness and nausea.  
Ingestion: May cause irritation or gastric disturbance.  
Target Organs: Skin
- B) Carcinogenicity: Ingredients not found in NTP, OSHA or IARC.
- C) Medical conditions generally aggravated by normal exposure: Some skin disorders, such as dermatitis.
- D) Emergency and First Aid  
Eye: Rinse with water, at least 15 minutes. If irritation persists, consult a physician.  
Skin: Wash with mild soap and water.  
Inhalation: Remove to fresh air. Apply respiration or oxygen if needed. Consult a physician.  
Ingestion: DO NOT induce vomiting. Get medical aid.

VIII. SPECIAL PROTECTION INFORMATION

Respiration Protection: Not normally required.  
Ventilation: General ventilation as per local or state regulations.  
Protective Gloves: Not required Eye Protection: Optional  
Other Protection: Apron, footwear, impervious clothing as needed to avoid excessive skin contact.

IX. SPECIAL PRECAUTIONS

Handling and Storage: Keep containers closed when not in use. Keep away from heat, sparks and open flame.  
Other: Wash hands and face with soap and water before eating. Do not reuse container. Keep from reach of children. For Commercial/Industrial use only.

X. ENVIRONMENTAL DATA

Hazardous Substance (40 CFR 372: SARA Sec. 313)

None

Reportable Quantity (40 CFR 355: SARA Sec. 302)

None

Hazardous Substance (40 CFR 302: CERCLA Table 302.4)

None

RCRA Waste Number

None

Volatile Organic Compounds

0.42 lbs/gal or 51 g/l (EPA method 24)

SARA Hazard Class

Acute: no Chronic: no Fire: no Pressure: no Reactivity: no

-----  
H.M.I.S Rating

Health: 1 Flammability: 1 Reactivity: 0  
-----

XI. DOT SHIPPING INFORMATION

Surface: Not Regulated

Air: Not Regulated

Proper Shipping Name: N/A

UN N/E Class: N/E

Labels: None required

NOTE:

The chemicals in this product are listed on the TSCA inventory.

XII. DISCLAIMER

The information contained in this Material Safety Data Sheet is furnished without warranty of any kind. Mark Andy, Inc. believes that the information contained herein is current as of the revision data of this MSDS. Since the conditions of use of this product are beyond the control of Mark Andy, Inc., it is the obligation of the user to determine the conditions for safe use.