

TRADE NAME: CS Inks

DATE: January 2006  
(Revised)

I. PRODUCT IDENTIFICATION

Name/Synonym: Lithographic Ink

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

Manufactured for/Distributed by:

Presstek, Inc.  
55 Executive Drive  
Hudson, NH 03051

Emergency Phone - Day - (603) 595-7000  
Night - Chemtrec (800) 424-9300

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

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

