

INKS PS1880HS / PS2600

COMPOSITION/INFORMATION ON INGREDIENTS :

Reportable Components

- Methyl Acetoacetate: 105-45-3 / 10-20%
- 2-Ethoxy Ethyl Ether: 112-36-7 / 20-40%
- Triethylene Glycol Dimethyl Ether: 112-49-2 / 3-10%
- Phenoxy-2-propanol: 770-35-4 / 1-5%
- Ethylene Glycol Monobutyl Ether Acetate: 112-07-2 / 10-30%
- Pigment: - 0.5-5.0%
- PVC Resin: not Hazardous / 1.0-10%
- Additives: not Hazardous / 0.1-1.0%

HAZARDS IDENTIFICATION

Potential Health Effects: The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with skin or eyes and to prevent inhalation.

FIRST AID MEASURES

- Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.
- Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.
- Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

FIRE FIGHTING MEASURES

- General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
- Extinguishing Media: Use agent most appropriate to extinguish fire.

STABILITY AND REACTIVITY :

- Chemical Stability: Stable under normal temperatures and pressures.
- Conditions to Avoid: Strong oxidants.
- Incompatibilities with Other Materials: Not available.
- Hazardous Polymerization: Not available.

ACCIDENTAL RELEASE MEASURES

- General Information: Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section.

HANDLING AND STORAGE:

- Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
- Storage: Store in a cool, dry place.

EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Personal Protective Equipment

- Eyes: Wear chemical goggles.
- Skin: Wear appropriate protective gloves to prevent skin exposure.
- Clothing: Wear appropriate protective clothing to minimize contact with skin.
- Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

PHYSICAL AND CHEMICAL PROPERTIES

Compatible Plotter: Roland AJ-1000

Color: Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta

Physical State: liquid

Odor: Mild odor

pH: Not available.

Vapor Pressure: Not available.

Viscosity: 12.0 ± 1.0 cp

Surface Tension of ink: 28 ± 3.0

Boiling point/boiling range of ink: approx. 185 °C



TOXICOLOGICAL INFORMATION

CAS# 105-45-3: Draize test, rabbit, eye: 2 mg Severe; Draize test, rabbit, skin: 500 mg/24H Mild; Oral, rat: LD50 = 3228 mg/kg.

CAS# 112-49-2: LD50/LC50: Not available. Oral, rat LD50: 5877 mg/kg, Skin, rabbit: LD50: >6900 mg/kg.

CAS# 112-36-7: Draize test, rabbit, eye: 50 mg Moderate; Oral, rat: LD50 = 4970 mg/kg; Skin, rabbit: LD50 = 6700 uL/kg.

CAS# 770-35-4: Oral, rat: LD50 = 2830 mg/kg; Skin, rabbit: LD50 = >2 gm/kg.

CAS# 112-07-2: Draize test, rabbit, eye: 500 mg/24H Mild; Oral, mouse: LD50 = 3200 mg/kg; Oral, rat: LD50 = 2400 mg/kg; Skin, rabbit: LD50 = 1500 mg/kg.

ECOLOGICAL INFORMATION

Not available.

DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

TRANSPORT INFORMATION

IATA: No information available.

IMO: No information available.

RID/ADR: No information available.

REGULATORY INFORMATION

Label Hazard Warning: WARNING! COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY AFFECT KIDNEYS AND CENTRAL NERVOUS SYSTEM.

Label Precautions:

- Keep away from heat and flame.
- Avoid breathing mist.
- Avoid contact with eyes, skin and clothing.
- Keep container closed.
- Use only with adequate ventilation.
- Washing thoroughly after handling.

Label First Aid:

If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. In all cases call a physician.

- Product Use: Laboratory Reagent.
- Revision Information: No Changes.

ADDITIONAL INFORMATION

MSDS Creation Date: 11/8/2006 Revision #0 Date: Original.

• The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

