

PANNIER CORPORATION

207 Sandusky Street, Pittsburgh, PA 15212-5823 U.S.A.

412.323.4900

www.pannier.com

Material Safety Data Sheet

Revision date: 10.6.2008

Revision 1

D-1964 White Curable Jet Printer Ink

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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **WHITE CURABLE JET PRINTER INK**

Product Code: D-1964

Product Class: Ink CAS Number: Mixture

Manufacturer

Akron Paint and Varnish, Inc.
1390 Firestone Parkway
Akron, Ohio 44301 USA
Information Telephone: (330) 773-8911
Facsimile: (330) 773-1028
Emergency Telephone: (330) 773-8911

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview Flammable. Irritating to skin. Harmful: may cause lung damage if swallowed. Vapors may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	EINECS	CAS #	% (wt/wt)	Classification
Solvent naphtha (petroleum), light aliphatic	265-192-2	64742-89-8	20-30	F; R11 – Xn; R38-65-67 – N; 51/53
Contains: Heptane	205-563-8	142-82-5	6-9	F; R11 – Xn; R65 – Xi; R38-67 – N; R50-53
Stoddard solvent	232-489-3	8052-41-3	30-35	F; R11 – Xn; R38-65 – N; 51/53
Contains: 1,2,4-trimethylbenzene	202-436-9	95-63-6	<1.3	R10 – Xn; R20-Xi; R36/37/38 – N; R51/53
Contains: mesitylene	203-604-4	108-67-8	< 2.0	R10 – Xi; R37 – N; R51/53
Distillates (petroleum), light distillate hydrotreating process, low-boiling	270-093-2	68410-97-9	35-40	F; R11 – Xn; R38-65 – N; 51/53

SECTION 4 – FIRST AID MEASURES

EYES Flush with large amounts of water for at least 15 minutes. Lift eyelids occasionally. Get prompt medical attention.
SKIN Wash thoroughly with soap and water immediately. Remove all contaminated clothing immediately. Seek medical advice if irritation persists.
INGESTION DO NOT induce vomiting because of risk of aspiration. Seek medical advice.
INHALATION Move affected person to fresh air, rest in a half upright position, loosen clothing. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek medical advice after significant exposure.

SECTION 5 – FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: -2.22°C (28°F) Method: Seta flash closed cup

Autoignition Temperature: Not available

Flammable Limits: Lower (LEL): 0.9 % Upper (UEL): 7.0 % Per CAS# 64742-89-8

EXTINGUISHING MEDIA Carbon dioxide; dry chemical; foam; water fog.

NOT TO BE USED None known

FIRE & EXPLOSION HAZARDS Vapors are heavier than air and may travel along the ground to an ignition source some distance from material handling point. Ignition sources include pilot lights, heaters, electric motors, sparks from electrical switches and static discharges.

FIRE FIGHTING INSTRUCTIONS Use water for cooling material stored in vicinity of fire.

FIRE FIGHTING PROTECTIVE EQUIPMENT Wear protective clothing and use self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Prevent contamination of soil, drains and surface waters. Product is almost insoluble in water and will float on the surface. It could cause a fire or explosion if a large spill is drained into a sewer system and may be harmful to fish if discharged to natural waters. Avoid discharging to sewers or waterways.

LARGE SPILLS Eliminate all ignition sources. Contain spilled liquid with sand or earth to prevent spreading. Absorb spill with inert material. Place in chemical waste container. Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.

SMALL SPILLS Absorb spill with inert material. Place in chemical waste container and follow directions for proper disposal.

SECTION 7 – HANDLING AND STORAGE

HANDLING Keep away from food, drink and heat. Keep away from sources of ignition. No smoking. Do not breathe vapor. Avoid contact with skin and eyes. Never use pressure to empty. Take precautionary measures against static discharges.

STORAGE Keep tightly closed in a dry, cool and well-ventilated place. Take precautionary measures against static discharges.

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SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS Use in well-ventilated area with mechanical exhaust.

RESPIRATORY PROTECTION Wear air supplied, positive-pressure respirator.

SKIN PROTECTION Wear chemical resistant gloves (such as nitrile) and paint suits.

EYE PROTECTION Goggles

EXPOSURE GUIDELINES

Chemical	WEL-United Kingdom	ACGIH
Solvent naphtha	Not established	Not established
Heptane	500 ppm	400 ppm (TWA)
Stoddard solvent	Not established	100 ppm
1,2,4-trimethylbenzene	Not established	25 ppm (for mixed isomers)
Mesitylene	Not established	25 ppm (for mixed isomers)
Light hydrotreated distillate	Not established	Not established

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White liquid
ODOR	Solvent
pH	Not applicable
BOILING RANGE	Not available
VAPOR PRESSURE	Not available
RELATIVE DENSITY	0.782 g/cm ³
SOLUBILITY IN WATER	Insoluble
VOLATILES (volume)	97.41%
VOLATILES (weight)	94.09%
VOC	0.737 g/cm ³
EVAPORATION RATE	Not available
SPECIFIC GRAVITY	0.784 ± 0.06

SECTION 10 – STABILITY AND REACTIVITY

STABILITY	Stable.
HAZARDOUS POLYMERIZATION	Will not occur
MATERIALS TO AVOID	Avoid accidental contact with strong oxidizers (e.g., nitric acid)
CONDITIONS TO AVOID	Static discharges, hot sources, ignition sources.
HAZARDOUS DECOMPOSITION PRODUCTS	In case of fire, formation of CO _x and various hydrocarbons.

SECTION 11 – TOXICOLOGICAL INFORMATION

The acute effects of this product have not been tested. Data on individual components are tabulated below:

Chemical	Oral LD₅₀	Dermal LD₅₀	Inhalation LC₅₀
Solvent naphtha	> 7.1 g/kg	> 2.84 g/kg	Not available
Heptane	Not available	Not available	103 g/m ³ (4H)
Stoddard solvent	> 5000 mg/kg	Not available	> 5,500 mg/m ³ (4H)
1,2,4-trimethylbenzene	5 g/kg	Not available	18 g/m ³ (4H)
Mesitylene	5000 mg/kg	Not available	24000 mg/m ³ (4H)
Light hydrotreated distillate	Not available	Not available	Not available

Potential Health Effects

EYES Can cause redness, irritation, swelling and blurred vision.

SKIN Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

INGESTION Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea; aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

INHALATION Excessive or prolonged inhalation of vapors and/or spray mist can cause respiratory irritation, dizziness, weakness, fatigue, nausea, headache, unconsciousness, and even asphyxiation.

Chronic Effects / Carcinogenicity – The effects of long term exposures have not been fully studied. The chemical components of this product are not listed by IARC as carcinogens. Follow the recommended personal protection equipment guidance in Section 8.

SECTION 12 – ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Flammable liquid. Consult local regulations. Controlled incineration is recommended for disposal of unused product. Prevent contamination of soil, drains and surface waters. Emptied containers contain solvent vapors and are hazardous with respect to fire, explosion and noxiousness. Dispose of large containers to a licensed reconditioner. Dispose of small containers in compliance with local regulations.

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SECTION 14 – TRANSPORT INFORMATION

ARD/RID

Proper Shipping Name	PRINTING INK
Class	3
Classification Code	F1
UN Number	UN 1210
Packing Group	III
Labels	3
Special Provisions	640E
Limited Quantities	LQ7
Transport Category	3
Hazard Identification #	30

SECTION 15 – REGULATORY INFORMATION

The product has been classified in accordance with Directive 1999/45/EC as amended.

Classification: F; R10
Xn; R22-65
Xi; R38-67
N; R51-53

Label:

Symbols: Harmful
Dangerous for the Environment

Risk phrases: R10 - Flammable
R22 - Harmful if swallowed
R38 - Irritating to skin
R65 - Harmful: may cause lung damage if swallowed
R67 - Vapours may cause drowsiness and dizziness
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases: S23/24 – Avoid contact with skin & eyes.
S60 - This material and its container must be disposed of as hazardous waste.
S61 - Avoid release to the environment. Refer to special instruction/safety data sheets.
S62 - If swallowed, do not induce vomiting; seek medical advice immediately and show this container label.

SECTION 16 – OTHER INFORMATION

R10 - Flammable
R11 - Highly flammable
R37 – Irritating to respiratory system
R38 - Irritating to skin
R36/37/38 – Irritating to eyes, respiratory system and skin
R65 - Harmful: may cause lung damage if swallowed
R67 - Vapours may cause drowsiness and dizziness
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

KEY: IARC = International Agency for Research of Cancer; **ACGIH** = American Conference of Government Industrial Hygienists;
TWA = Time Weighted Average; **STEL** – Short Term Exposure Limit

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