

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard (29 CFR 1910.1200) and the American National Standards Institute Standard for MSDSs (ANSI Z400.1)

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured For: Heidelberg USA, Inc. Address: 1000 Gutenberg Drive Kennesaw, GA 30144	Identity (trade name as used on label): SAPHIRA PRESSWASH PRINTMASTER SU45.CN2001539
Date Prepared: Revision: 0	Prepared By:
Information Calls: 888-472-9655 prompt 3	DOT Emergency Response: Chemtrec USA and Canada (800) 424-9300

SECTION 2 – HAZARDS IDENTIFICATION

D.O.T. Designation: Cleaning Liquid (Non-Regulated Combustible) (1)

U.N. Designation: Flammable Liquids, N.O.S. (Contains Naphtha, Solvent) 3, UN1993, PGIII

Emergency Overview: Clear, colorless liquid with mild odor. Can cause eye, skin or respiratory tract irritation. During emergencies, wear equipment to protect eyes, skin and respiratory tract. Dike or absorb spills to keep material and run-off from entering sewers, drains or waterways.

Potential Health Effects:

Skin – Prolonged or repeated contact with liquid can cause irritation and/or dermatitis.

Eyes – Vapours and splashes to the eyes are moderately irritating.

Inhalation – Irritating to the respiratory tract and mucous membranes.

Ingestion – Causes irritation to the gastrointestinal tract; symptoms may include nausea, vomiting and diarrhea.

Conditions Aggravated by Exposure: Persons with pre-existing skin disorders may be more susceptible to the effects of exposure.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	WT. %	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
Aromatic Hydrocarbon	64742-95-6	45-55	100ppm (1)		
Aliphatic Hydrocarbon	64742-88-7	45-55	100ppm (2)		
(1) Based on PEL for Xylenes.					
(2) Based on VPEL for Stoddard Solvent, current PEL is 500ppm.					

Blend contains approximately 1.0% cumene & xylene & 17.0-21.0% 1,2,4-trimethylbenzene (varies by aromatic source).

Ethyl benzene is present at less than 1.0%

*See SECTION 15 – REGULATORY INFORMATION.

**Chemical Listed as Carcinogen or Potential Carcinogen: a = NTP b = IARC Monograph c = OSHA d = Not Listed e = Animal Data Only

SECTION 4 – FIRST AID MEASURES

<p>Eye Contact: Immediately flush with water for at least 15 minutes; seek medical attention.</p>	<p>Ingestion: If swallowed, seek immediate medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.</p>
<p>Skin Contact: Remove contaminated clothing; launder before re-use. Wash skin with soap and water; if irritated, seek medical attention.</p>	<p>Inhalation: Immediately remove to fresh air. Seek medical attention.</p>

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point and Method Used: 102 degrees F (tag closed cup method)	Auto Ignition Temperature: 1.0%	Explosion Limits: 12.6%
<p>Extinguisher Media: Foam, dry chemical; use water spray to cool exposed surfaces. Evacuate area and fight fire from a safe distance if fire is contained in small area; otherwise, call the local fire department.</p>		
<p>Unusual Fire & Explosion Hazards: Combustible liquid. Upon combustion, the product may form carbon monoxide and other organic compounds. Product containers may rupture from vapor pressure when exposed to heat from fire.</p>		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

For small incidental spills and leaks, wear protective gloves and eye protection. Stop source of leak or spill. Isolate area of spill by diking, and/or add dry absorbent to prevent it from entering sewers, drains or waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before reuse; discard contaminated leather shoes. For larger spill requiring emergency response, follow OSHA emergency response regulations and NIOSH recommendations. If possible, stop source of spill or release. Isolate the area of spill or release by diking to prevent it from entering sewers, drains or waterways. Clean up and place in an appropriate container for disposal.

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SECTION 7 – HANDLING/STORAGE

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapour. Wash thoroughly after handling. Do not eat, drink or smoke in work areas. Keep container closed when not in use. Use only with adequate ventilation. Store in a cool, dry, well-ventilated area.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation: Good, general ventilation should be sufficient for most operations. Ten or more room air changes per hour containing a minimum of 15% fresh air are recommended.

Personal Protection: Safety glasses and gloves impervious to the hazardous ingredients are recommended. If used under normal operating conditions, and with adequate ventilation, respiratory equipment is not required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: light colored liquid petroleum odor	Boiling Point/Range: 300 degree F
Odor Threshold: n/a	Vapor Density: 4.5 (air=1)
Specific Gravity (Water = 1.00): 0.825 (water=1)	Vapour Pressure: 2.8 at 68 degrees F 20 degree C
Viscosity: n/a	Solubility in Water: stable
pH: n/a	VOC (lbs/gal): 6.9 lbs per gallon (826 grams per liter)
Freezing Point: n/a	Coefficient of Water/Oil Distribution:

SECTION 10 – STABILITY AND REACTIVITY

Hazardous Polymerization: Will NOT occur; product is stable.

Hazardous Decomposition Products: Carbon monoxide and other compounds during combustion.

Materials and Conditions to Avoid: Avoid exposure to high heat sources, electrical and welding arcs and open flame. Also avoid strong oxidizing agents.

SECTION 11 – TOXICOLOGICAL INFORMATION

LD50 (oral, rat): No data available.

Acute Overexposure: May cause skin, eye and respiratory tract irritation.

Chronic Overexposure: None known.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity Data: No data available.

Chemical Fate Data: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Hazardous Waste Characterization: None

Recommendation: Dispose of materials associated with cleaning up spills and/or leaks according to federal, state and local regulations for ignitable waste. Consult appropriate federal, state and local regulations to determine proper characterization of used product contaminated with other printing process products.

SECTION 14 – TRANSPORT INFORMATION

Ground Shipping (US DOT 49 CFR): Not Regulated.

Air (ICAO/IATA) Shipping: Not Regulated.

International Maritime Organization (IMDG) Shipping: Not Regulated.

SECTION 15 – REGULATORY INFORMATION

SARA Title III, Section 313 (Toxic Release Inventory) – This product contains approximately 1.0% cumene and xylene and 17.0-21% 1,2,4- trimethylbenzene (varies by aromatic source). Ethyl benzene is present at less than 1.0%. Product contains components which may be further regulated by state and/or local agencies (e.g. benzene and CA65C) - Consult Appropriate Agencies.

Clean Air Act 1990 Hazardous Air Contaminants; Clean Air Act HON Rule (Hazardous Air Pollutant-HAP) – None.

SARA Title III, Section 302 (Hazardous Substance List) – None.

Canadian DSL/NDSL Inventory: Components of this product are listed on either the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

TSCA Inventory: All of this product's components are listed.

SECTION 16 – OTHER INFORMATION

FOR INDUSTRIAL USE ONLY

USE ONLY AS DIRECTED

DO NOT TAKE INTERNALLY

HAZARD RATING: Health – 2 Flammability – 2 Reactivity – 0 Personal Protection – Glasses, Gloves

Health: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe	Flammability: 0 = Will Not Burn 1 = Flash Point > 200° F 2 = Flash Point > 100° F and < 200° F 3 = Flash Point < 100° F and Boiling Point > 100° F 4 = Flash Point and Boiling Point <100° F	Reactivity: 0 = None 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme
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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. Some information may be based on indirect test data.