

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 ALCOHOL REPLACEMENT 301 SU45.CN1130001 SU45.CN1130002 SU45.CN1100024
Date Prepared: Revision: 2/9/2009	Prepared By: Kurt Wiggins
Information Calls: 888-472-9655 prompt 3	DOT Emergency Response: Chemtrec USA and Canada (800) 424-9300

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview: Can cause eye or skin 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:

Eye Contact: May lead to irritation.

Skin Contact: May lead to dermatitis.

Ingestion: May lead to vomiting.

Carcinogenicity (NTP, IARC, OSHA): Components of this product have not shown any evidence of carcinogenicity.

Conditions Aggravated by Exposure: None Know

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 **
2-Butoxyethanol (1)	111-76-2	75-85	25ppm	25ppm	
(1) Potential significant contribution to overall exposure by cutaneous (skin) route, mucous membranes and eyes either by contact with vapors or direct skin contact.					

*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

Eye Contact: Flush with large volume of water for at least 15 minutes. Get immediate medical attention if necessary.

Ingestion: Get immediate medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Skin Contact: Flush with large volume of water for at least 15 minutes. Get immediate medical attention if necessary.

Inhalation: Immediately remove to fresh air. Seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point and Method Used: Greater than 227 degrees F. (Tag Closed Cup Method)	Auto Ignition Temperature: LEL: N/A	Explosion Limits: UEL: N/A
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Extinguisher Media: Water; 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.

Unusual Fire & Explosion Hazards: Fire media run-off can damage the environment. Dike and collect media used to fight fire.

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.

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: Water white liquid, mild odor	Boiling Point/Range: >212 degrees F.
Odor Threshold: Not Determined	Vapor Density: N/A
Specific Gravity (Water = 1.00): 0.93	Vapour Pressure: Not Determined
Viscosity: Not Determined	Solubility in Water: Complete
pH: Not Determined	VOC (lbs/gal): 6.2 lbs. per gallon (744 grams per liter)
Freezing Point: Not Determined	Maximum VOC%: 84%

SECTION 10 – STABILITY AND REACTIVITY

Hazardous Polymerization: Will NOT occur; product is stable.

Hazardous Decomposition Products: Carbon monoxide during combustion.

Materials and Conditions to Avoid: Avoid high heat sources, electrical and welding arcs, open flame and 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) – Ethylene Glycol Monobutyl Ether.

Product may contain components which are further regulated by state and/or local agencies - 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 – 1 Reactivity – 0 Personal Protection – B

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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The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.