ARTICLE INFORMATION SHEET

Kodak Polychrome GRAPHICS

MATERIAL SAFETY DATA SHEET in accordance with paragraph (g) of OSHA Regulations (Standards - 29 CFR) Hazard Communication. - 1910.1200)

Kodak Polychrome Graphics Electra Excel Printing Plate (Europe)

1. Chemical Product and Company Identification

Common Name	: **Kodak Polychrome Graphics Electra Excel Printing Plate (Europe)**	**KPG#**	**P0061**
		MSDS#	**826**
		Version	**1.03**
		Validation Date	**2003-03-10**
Area of Application	: Industrial applications. Graphic Arts Imaging.		
Supplier	: Kodak Polychrome Graphics 401 Merrit 7 Norwalk, CT 06851 USA Tel. (203) 845-7000		
Emergency telephone number	: **In Case of Emergency (medical/roadside) (24hrs)**	**CALL 1-800-451-8346**	
For EHS Information	: Kodak Polychrome Graphics, Environmental, Safety & Health Department; 11465 Johns Creek Parkway, #260, Duluth, GA 30097; USA Phone: 1-877-574-7274 ext. 511, Additional phone: (770) 232-2133 E-mail: PEP@kpgraphics.com, Fax: (770) 232-2150		

2. Composition, Information on Ingredients

Product Type : **Article.**

Name	CAS #	% by Weight
Aluminium	7429-90-5	>99
Resins and Colorants	--	<1

There are no other components present which, to the best of our current knowledge and in the concentrations applied, are hazardous to health or environment.

3. Hazards Identification

During imaging low levels of emissions of hazardous substances (thermal by-products) can be produced. However, under normal conditions of use the plate will not pose a physical hazard or health risk to employees.

4. First Aid Measures

Eye Contact : Not applicable.

Ingestion : Not applicable.

Skin Contact : Standard procedure for responding to cuts or lacerations.

Inhalation (of by-products upon heating) : Allow the victim to rest in a well-ventilated area.

5. Fire Fighting Measures

Fire Fighting Media and Instructions

Suitable : Use extinguishing media suitable to primary cause of fire.

Not suitable : None.

Unusual fire/explosion hazards : None.

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Hazardous thermal (de)composition products : See section 8.

Protection of fire-fighters : No special protection is required.

6. Accidental Release Measures

Not applicable.

7. Handling and Storage

Personal Precautions : None.

Storage : Keep in a cool, well-ventilated place.

For specific information regarding optimal storage conditions, refer to the general instructions for use of this product.
Handling: Potential lacerations from the thin gauge aluminum, while unlikely when handled properly, cuts or lacerations from aluminum should receive proper first aid/medical attention.

8. Exposure Controls, Personal Protection

The laser exposure process used to image this product produces gases and particulates as thermal decomposition by-products. Small to trace amounts of hazardous and non-hazardous gases such as the ones listed below might be produced during laser imaging and processing.

Product Name	CAS #	Exposure Limits
Formaldehyde	50-00-0	**ACGIH TLV (United States, 2002). Sensitizer skin** CEIL: 0.37 mg/m^3 **OSHA PEL (1910.1048) (United States, 2001).** STEL: 2.5 mg/m^3 15 minute(s). TWA: 0.94 mg/m^3 8 hour(s).
Acetaldehyde	75-07-0	**ACGIH TLV (United States, 2002). Notes: Animal carcinogen. The agent is not likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure (A3).** CEIL: 45 mg/m^3 **OSHA PEL (United States, 2001).** TWA: 360 mg/m^3 8 hour(s).
Nitrogen monoxide	10102-43-9	**ACGIH TLV (United States, 2002).** TWA: 31 mg/m^3 8 hour(s). **OSHA PEL (United States, 2001).** TWA: 30 mg/m^3 8 hour(s).
Nitrogen dioxide	10202-44-0	**ACGIH TLV (United States, 2002).** TWA: 9.4 mg/m^3 8 hour(s). STEL: 5.6 mg/m^3 15 minute(s). **OSHA PEL (United States, 2001).** CEIL: 9 mg/m^3
Carbon monoxide	630-08-0	**ACGIH TLV (United States, 2002).** TWA: 29 mg/m^3 8 hour(s). **OSHA PEL (United States, 2001).** TWA: 55 mg/m^3 8 hour(s).
Carbon dioxide	124-38-9	**ACGIH TLV (United States, 2002).** STEL: 54000 mg/m^3 15 minute(s). TWA: 9000 mg/m^3 8 hour(s). **OSHA PEL (United States, 2001).** TWA: 9000 mg/m^3 8 hour(s).
Acetone	67-64-1	**ACGIH TLV (United States, 2002).** STEL: 1782 mg/m^3 15 minute(s). TWA: 1180 mg/m^3 8 hour(s). **OSHA PEL (United States, 2001).** TWA: 2400 mg/m^3 8 hour(s).
Particulates (Insoluble) Not Otherwise Specified (PNOS)	KP013001	**ACGIH TLV (United States, 2002).** TWA: 10 mg/m^3 8 hour(s). Form: Inhalable particles TWA: 3 mg/m^3 8 hour(s). Form: Respirable particles **OSHA PEL (United States, 2001).** TWA: 15 mg/m^3 8 hour(s). Form: Total dust TWA: 5 mg/m^3 8 hour(s). Form: Respirable fraction

Engineering Controls :

It is the user's responsibility to install adequate engineering controls to ensure environmental and safety compliance with all local, state, and federal regulations. The following are general recommendations:

Good general ventilation (> 10 room air changes/hour) should be used to maintain airborne levels of contaminants that may be emitted during imaging below the ACGIH Threshold Limit Values (TLV) and OSHA Permissible Exposure Limits (PEL). In cases where general ventilation is inadequate or unavailable, it is recommended that local exhaust systems and/or a chemical and particulate filtration system be used.

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Avoid overexposure as this will raise the emission levels.

Respiratory Protective measures : None should be needed.

9. Physical and Chemical Properties

Physical State and Appearance	:	Solid. (Plate)	**Odor**	:	Odorless.
pH	:	Not applicable.			
Melting/Freezing Point	:	>200°C (392°F)			
Density	:	2700 kg/m^3			
Vapor Density	:	Not applicable.			
Solubility	:	Insoluble in cold water.			

10. Stability and Reactivity

Stability and Reactivity	:	The product is stable.
Hazardous Decomposition Products	:	See section 8.
Hazardous Polymerization	:	Will not occur.

11. Toxicological Information

Not applicable.

12. Ecological Information

This material has not been tested for environmental effects.

13. Disposal Considerations

The imaged and processed plates were tested using the Toxicity Characteristic Leaching Procedure (TCLP) and is not characterized as a hazardous waste for disposal purposes as defined by the US EPA. However, customers should consult the local regulations for disposal requirements. We recommend having waste offset plates being hauled away by a licensed company for aluminum recovery.

If chemical and particulate filters are used, follow the manufacturers recommendations and dispose of them in accordance with all state, local, and federal regulations.

14. Transport Information

Offset plates are not regulated as a hazardous material under domestic or international transport regulations.

Transboundary transport of aluminum waste is subject to legislation based on the Basel Treaty and OECD Rules.

15. Regulatory Information

The plate does not contain any material known to the State of California to cause cancer or adverse reproductive effects. However small to trace amounts of material known to the State of California to cause cancer, such as acetaldehyde and formaldehyde, could be produced as thermal decomposition by-products during laser imaging. Under normal conditions of use the plate will not pose a physical hazard or health risk to employees.

Carcinogenicity Classification (components present at 0.1% or more):

CARCINOGENIC EFFECTS; MUTAGENIC EFFECTS; TERATOGENIC EFFECTS:
by ACGIH: None.
by IARC: None.
by OSHA: None.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372:

None.

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16. Other Information

Validated by Kodak Polychrome Graphics on 2003-03-10.

Verified by Kodak Polychrome Graphics.
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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.