

ARTICLE INFORMATION SHEET



Kodak Polychrome Graphics
A Subsidiary of Kodak

Kodak Polychrome Graphics Sword Ultra Printing Plate

1. Product and company identification

Product name : Kodak Polychrome Graphics Sword Ultra Printing Plate **Nr. AIS** : P0302

Supplier : Kodak Polychrome Graphics Europe S.A. **Date of issue** : 2006-10-02.
8, Avenue François Arago **Version** : 1
Zone Industrielle BP 116
92164 Antony Cedex
France

For other EHS Information : Kodak Polychrome Graphics EHS-Affairs EU/AF/AS/AU
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2. Product type

Graphic Arts product.
Positive working Thermal Printing Plate

3. Composition

Chemical name	CAS Number	%
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.

4. Health and Safety

4.1 General

During imaging low levels of emissions of hazardous substances (thermal by-products) may be produced. However, under normal conditions of use the plate will not pose a physical hazard or health risk to employees. However, the imaging process produces gases that need to be filtered out of the air system going through the imagesetter.

WARNING:

Laser over-exposure may result in ablation of the plate coating. This can result in a damaged plate surface and in extreme cases the coating can be removed from the plate and particulates (dust) are formed. These particulates may be hazardous to the operator and can damage equipment.

Therefore, it is recommended that any debris-removal or filtration systems that may be fitted to the platesetter should be used while imaging this product.

4.2 Health Aspects

Trace amounts of hazardous and non-hazardous gases and particulates such as the ones listed below may be produced as thermal decomposition by-products during laser imaging and curing.

United Kingdom (UK)	CAS No. :	Occupational exposure limits
4-Butyrolactone	96-48-0	Not available.
Formaldehyde	50-00-0	EH40-WEL (United Kingdom (UK), 1/2005). STEL: 2.5 mg/m ³ 15 minute/minutes. TWA: 2.5 mg/m ³ 8 hour/hours.
Butanone (MEK)	78-93-3	EH40-WEL (United Kingdom (UK), 1/2005). Skin STEL: 899 mg/m ³ 15 minute/minutes. TWA: 600 mg/m ³ 8 hour/hours.
VOC(Naphtha)	8030-30-6	ACGIH TLV (United States, 1/2006). TWA: 1590 mg/m ³ 8 hour/hours..
Particulates (Insoluble) Not Otherwise	KP013001	

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Specified (PNOS)

ACGIH Recommended TLV (United States, 1/2006).TWA: 3 mg/m³ 8 hour/hours. Form: Respirable fractionRecommended TWA: 10 mg/m³ 8 hour/hours. Form: Inhalable

With respect to the health and safety aspects related to the products used for the processing of the plate, we refer to the Safety Data Sheet (SDS) of said preparations.

4.3 Personal Protective Equipment :**Hands** : Wear cut resistant gloves.

Potential lacerations from the thin gauge aluminium. While unlikely when handled properly, cuts or lacerations from aluminium should receive proper first aid/medical attention.

4.4 Fire hazard and Extinguishing media :

The support is made of aluminium.

The nature of the combustion products is dependent on the physical characteristics of the burning process and on the degree of combustion.

Incomplete combustion generates a spectrum of different gases, e.g. water vapour, carbon dioxide, carbon monoxide, oxides of nitrogen and small concentrations of organic and inorganic degradation products.

4.5 Extinguishing media :

Use an extinguishing agent suitable for the surrounding fire.

Environmental effects :

This material has not been tested for environmental effects.

4.6 Engineering controls :

It is the users responsibility to install adequate engineering controls to ensure environmental and safety compliance with all local, state and federal regulations in addition to employee comfort.

Following are some general recommendations:

Ventilation

Good general ventilation should be used. Ventilation should be sufficient so that applicable occupational exposure limits are not exceeded. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances.

Imaging Area

Will depend upon equipment and imaging conditions. Check with the equipment manufacturers specifications. May require local ventilation or a filtration system for debris and/or odors under some equipment/media/exposure conditions to maintain a safe workplace.

Baking

When room ventilation conditions are poor and/or when the baking oven is installed in small areas with low ceiling, odors may be detected. The installation of fume hoods (such as the Wisconsin Oven mini-hoods) exhausted to the outside is required under the above mentioned conditions to prevent the build up of odors and to maintain a safe workplace.

5. Waste Disposal

It is the generators responsibility to dispose of all waste and effluents according to local, state, and federal regulations.

In most countries offset plates are considered as industrial waste and consequently it is not allowed to dispose of it as household waste.

The regulations about waste may differ from one country to another. Please consult the local regulations on the subject matter.

We recommend to have waste offset plates being hauled away by a licensed company for aluminium recovery.

Used filters should be disposed of according to local, state, and federal regulations.

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

European waste catalogue :
(EWC)
20 01 40

OECD: Green list.
GA 104 7602 00

6. Transport Information

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

7. Storage

Storage :

Keep in a cool, well-ventilated place. Keep container tightly closed.
For specific information regarding optimal storage conditions, refer to the general instructions for use of this product.

8. Other Information

HISTORY

Date of printing : 2006-10-24.

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Version : 1

Prepared by : Kodak Polychrome Graphics, EHS-EU/AF/AS/AU, Bunschoten, NL

Notice to reader

This information is correct to the best of our knowledge but no guarantee is given and no liability can be assured. Data given in this Article Information Sheet are solely for guidance in safe handling and use of the product(s) by customers; they do not form part of any specification.

This Article Information Sheet is conforming the requirements of the European Photo and Imaging Association (EPIA).

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