



INDUSTRIES 3R

MATERIAL SAFETY DATA SHEET

IDENTITY

Part Number: **OKCA 508**
 Identity: Panox/Aramid Fabrics Aluminised
 Description: Panox/Aramid Fabrics Aluminised
 Other Generic Names: None

SUPPLIER

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HAZARD IDENTIFICATION

This product is classified as low hazard.

COMPOSITION / INFORMATION ON INGREDIENTS

OKC400 is a fabric made from yarns containing a core of continuous filament fibre (borosilicate E glass CAS-65997-17-1) and with a sheath containing a blend of oxidised acrylic and para-aramid fibre (CAS-26125-61-1). The diameter of the glass filaments are uniform and well above the maximum size considered to be respirable (approx. 3 microns). The staple para-aramid fibres contain a small amount of fragments of a respirable size. OKCM700 contains the same materials as OKC400, but also contains a wire strand.

OKCA508 product is made by attaching a dual surface metallised Polyethylene Terephthalate film to OKC400 fabric. This film is bonded to the fabric by means of a cross-linked Polyurethane flame-retardant adhesive. The adhesive contains minor quantities of compounding agents to give the product the required performance characteristics and appearance. Also includes a small amount of antimony trioxide flame retardant (CAS-1309-64-4). OKCA507 and OKCA740N are made by first coating the OKC400 with a synthetic rubber on one side and then attaching the polyester film in the same manner as described for OKCA508.

PHYSICAL AND CHEMICAL PROPERTIES

Weights:	See appropriate Product Data Sheets
Appearance:	OKC and OKCM – dark green OKCA – dark green one side, silver other side OKCII and OKCMII – dark green to black
Odor:	The natural rubber coated products will have a slight odor.
Solubility in Water:	Insoluble
Boiling Point:	Not Applicable
Vapor Pressure:	Not Applicable
Percent Volatile (vol.):	Not Applicable
Evaporative Rate:	Not Applicable

FIRE – FIGHTING MEASURES

Flammability: The fabrics are inherently flame resistant and will not support combustion. The aluminised versions are also self-extinguishing (see product data sheets for performance against British Standard Tests). Only small amounts of smoke are generated if an ignition source is maintained and are similar to those of other organic materials that contain carbon, oxygen, nitrogen and hydrogen. They will vary widely

depending on the condition of combustion/pyrolysis. Principal combustion products are carbon dioxide and water with lesser amounts of carbon monoxide and compounds of nitrogen.

Special fire-fighting procedures: Appropriate forms of self-contained breathing apparatus must be worn in dealing with fire situations at close range.

Extinguishing media: Use that appropriate to the surrounding fire.

STABILITY AND REACTIVITY

These products are inherently stable for the intended industrial application.

TOXICOLOGICAL AND ECOLOGICAL INFORMATION

Effects of Over-exposure (acute and chronic):

Inhalation (Dust): As stated in section Composition/Information on Ingredients the major fibrous component of the base fabric is of non-respirable size.

Carcinogenicity: The fibers used in these products are not listed as carcinogens.

Skin Irritation: The manufacturers of the fibers present in these products claim that their materials are not likely to produce adverse skin effects.

Eye Irritation: Entry of fibrous dust particles will cause «foreign body» irritation.

Primary Routes of Exposure: Inhalation, skin and eye contact.

Ecological: The materials used in these products are not associated with any known ecological problems.

DISPOSAL PROCEDURES

The disposal of waste should be carried out in accordance with national or regional directives – normally burial in controlled landfill sites.

EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure to para-aramid dust should be kept to a minimum that is reasonably practicable and should not exceed the workplace exposure limit of 0.5 fibre/ml, 8 hour TWA (ref. 1). For machine-made mineral fibre, dust of non-respirable size should not exceed a Workplace Exposure Level of 5 mg/m³, 8 hours TWA (ref. 1).

Dust levels are only likely to rise above the exposure limit if the materials are handled extremely vigorously or subjected to harsh mechanical abrasion. In such circumstances, the provision of local exhaust ventilation should be considered. Should this not be practicable, protective masks approved for use against irritant dust should be worn in accordance with their manufacturer's instructions. To reduce the chance of skin irritation during the handling of glass fibre based materials, protective overalls of a closely woven structure should be worn. Gloves, arm cuffs or barrier creams may also be advantageous in some circumstances. Emphasis should however be placed on personal hygiene, ensuring that hands and arms are washed with copious quantities of cool running water to remove any loose fibres before application of soap for washing purposes. Where there is a possibility of glass fibre entering the eye, suitable eye protection should be worn.

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FIRST AID MEASURES

Inhalation: In the unlikely event of excessive inhalation of dust (or fumes from a sustained fire situation) remove the individual to the fresh air. Obtain medical advice.

Skin Irritation: In the unlikely event of skin irritation, wash affected part with mild soap and running water. If irritation persists, obtain medical advice.

Eye Irritation: Irrigate eyes if affected by entry of dust. Obtain medical advice if irritation persists.

Wire: No health problem is likely to arise with OKCA in product use due to the presence of wire. It may be necessary however, to take precautions to prevent the occurrence of cuts and scratches.

ACCIDENTAL RELEASE MEASURES

Panox/Aramid products that are damaged or made friable should be handled with the use of personal protective equipment.

HANDLING AND STORAGE

It is unlikely that these products will give rise to significant amounts of dust during normal handling and dust control measures will rarely be required in circumstances involving the fabrication of products from them. However, in accordance with good working practices, the production of debris should be minimised and the accumulation of dust should be removed by dust-less methods. No special storage conditions are required on health grounds.

TRANSPORT INFORMATION

These products are labelled as stated in Section "Hazards identification" and securely wrapped to prevent possible damage during transportation.

REGULATORY INFORMATION

No specific regulatory information is applicable to these products.

OTHER INFORMATION

References: Health & Safety Executive Guidance Note EH 40/2005 Workplace Exposure Limits 2005

DISCLAIMER – The information provided in this Safety Data Sheet is based on our current knowledge. While the information and recommendations set forth herein are believed to be accurate, Industries 3R takes no warranty with respect thereto and disclaims all liability in reliance thereon. We recommend testing according to local conditions. The specifications are subject to change without notice.