

MATERIAL SAFETY DATA SHEET

Control of Substances Hazardous to Health 2002 (COSHH) & International Standard ISO 11014-1

Section 1 Product and Company Identification

Kemmetech Bi-layer Lead-free Vinyl X-ray Protective Sheet - Available in a range of lead equivalent values. Solid, flexible sheet, coloured for grade identification purposes.

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Section 2 Hazards Identification

Heavy metal composites encapsulated in vinyl resin. Only hazardous if ingested.

Section 3 Composition/Information on Ingredients

Composed of 70-90% heavy metal composites, NOT including lead, encapsulated in a vinyl resin and non-Phthalate plasticiser matrix.

Section 4 First Aid Measures & Medical Information

SKIN: Dermatitis may result from repeated contact. Wash with soap and water.

EYES: May cause eye irritation. Flush well with running water to remove particulate. If irritation persists, get medical attention.

INHALATION: May cause upper respiratory tract irritation and symptoms including abdominal pain, nausea, dizziness and dry throat.

INGESTION: Give water and get medical attention.

Signs and Symptoms of Exposure: Systemic heavy metal poisoning has symptoms of metallic taste, vomiting, colic, loss of appetite and weight and diarrhea. In addition, skin irritation or dermatitis may result.

Medical Conditions Generally Aggravated by Exposure: Lung, kidney, liver and nervous system.

Section 5 Fire-fighting Measures

Flammability: Self-extinguishing

Extinguishing: Carbon dioxide, dry chemicals or foam

Special Fire-fighting Measures: Use chemical mask

Section 6 Accidental Release Measures

Not applicable

Section 7 Handling & Storage

Cut edge of material is the main source of exposure. Wash hands after handling.

Do not permit eating, drinking, smoking, or use of cosmetics while handling the material. Practice good personal hygiene. Wash hands and face before eating or drinking.

Store in a clean, dry warehouse. Rolls should not be dropped and should be layed flat where possible. Do not expose material to excessive heat, above 50C and/or humidity levels exceeding 80%.

Section 8 Exposure Controls/Personal Protection

Latex (or equivalent) Gloves.

Section 9 Physical & Chemical Properties

Fully flexible sheeting supplied in various widths and roll lengths.

Section 10 Stability & Reactivity

Inherently stable, soluble in certain solvents

Section 11 Toxicological Properties

The toxicological effects of heavy metals are the same whether they enter the body through breathing or swallowing. Heavy metals can affect most organs and systems in the body. The main target for toxicity is the nervous system. Exposure to high levels of heavy metals can damage the Lung, kidney, liver and nervous system.

Section 12 Ecological Information

Heavy metal composites are non degradable and will persist in the environment. They are insoluble in water and not attacked by most inorganic acids and bases.

Section 13 Disposal Considerations

Waste Disposal: Classified in Europe as non hazardous under EWC code 12 01 99. Should be disposed of in registered landfill sites in accordance with Local Authority regulations.

Section 14 Transport Information

Not classed as dangerous for transport by Carriage of dangerous goods by road and rail regulations 1994

Section 15 Regulatory Information

Classification: Not Classified

Section 16 Other Information

None

Section 17 Revision Dates

Date of Issue: January 2022
Revised date:
Replacing: All previous Material Safety Data Sheets

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