

# MATERIAL SAFETY DATA SHEET

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

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## Section 1 Product and Company Identification

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Kemmetech Lightweight Lead Vinyl X-ray Protective Sheet - Available in a range of lead equivalent values. Solid, flexible sheet, naturally medium grey, but may be coloured for grade identification purposes.

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## Section 2 Composition/Information on Ingredients

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Composed of 75-85% metallic lead, encapsulated in a vinyl resin and plasticiser matrix.

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## Section 3 Hazards Identification

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Metallic lead, which is encapsulated in vinyl resin. Only hazardous if ingested. Lead has not been found to be a human carcinogen.

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## Section 4 First Aid Measures & Medical Information

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SKIN: Lead has been reported to be only a mild skin irritant and absorption of inorganic lead through the skin is generally of no significance. Wash with soap and water.

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

INHILATION: 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: Systematic lead poisoning has symptoms of metallic taste, insomnia, weakness, constipation, abdominal pains and gastrointestinal disorder.

Medical Conditions Generally Aggravated by Exposure: Diseases of blood and blood forming organs, kidneys, nervous and possibly reproductive systems.

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## Section 5 Fire-fighting Measures

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Flammability: Self-extinguishing

Extinguishing: Carbon dioxide, dry chemicals or foam

Special Fire-fighting Measures: Use chemical mask

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## Section 6 Accidental Release Measures

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Not applicable

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## Section 7 Handling & Storage

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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%.

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**Section 8 Exposure Controls/Personal Protection\_**

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Latex (or equivalent) Gloves.

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**Section 9 Physical & Chemical Properties**

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Fully flexible sheeting supplied in various widths and roll lengths.

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**Section 10 Stability & Reactivity**

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Inherently stable, soluble in certain solvents

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**Section 11 Toxicological Properties**

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The toxicological effects of lead are the same whether it enters the body through breathing or swallowing. Lead can affect most organs and systems in the body. The main target for lead toxicity is the nervous system. Long-term exposure of adults can result in decreased performance in some tests that measure functions of the nervous system. It may also cause weakness in fingers, wrists, or ankles. Lead exposure also causes small increases in blood pressure, particularly in middle-aged and older people and can cause anemia. Exposure to high lead levels can damage the brain and kidneys, cause miscarriage and can damage the organs responsible for sperm production.

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**Section 12 Ecological Information**

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Lead is non degradable and will persist in the environment. It is insoluble in water and not attacked by most inorganic acids and bases. ses.

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**Section 13 Disposal Considerations**

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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.

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**Section 14 Transport Information**

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

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**Section 15 Regulatory Information**

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Classification: Not Classified

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**Section 16 Other Information**

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None

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**Section 17 Revision Dates**

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Date of Issue: January 1999  
Revised date: April 2011  
Replacing: All previous Material Safety Data Sheets

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The information and recommendations on this sheet relate to the specific materials designated and may not be valid for material used in combination with any other materials or in any process. The information is given in good faith and is believed to be accurate at the time of preparation. Nothing hereon is to be construed as a guarantee express or implied, in all cases it is the responsibility of the user to determine the applicability of this information or the suitability of the products for their own particular purposes.