

enviro-Bloxx

Material Safety Data Sheet

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

Section 1 Product and Company Identification

enviro-Bloxx X-ray Scanner Protective Sheet – Available in a range of lead equivalent values. Solid, flexible sheet black in colour.

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Section 2 Composition/Information on Ingredients

A three layer construction – consisting of an X-ray protective core section composed of 75-85% metallic lead, encapsulated in a vinyl resin and plasticiser matrix – with an integrated extremely durable, very low friction vinyl skin on each outer surface.

Section 3 Hazards Identification

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

Section 4 First Aid Measures and Medical Information

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: Studies have shown that eye contact with lead causes only mild irritation and minimal inflammatory reactions. Flush well with running water to remove particulate. If irritation persists, get medical attention.
INHILATION: Remove from exposure, get medical attention.
INGESTION: Give water, induce vomiting 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.

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 and Storage
	<p>Cut edge of material is the main source of lead 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 thoroughly before eating and drinking.</p> <p>Store in a clean, dry warehouse. Rolls should not be dropped and be laid flat where possible. Do not expose material to excessive heat, above 50°C and/or humidity levels exceeding 80%.</p>
Section 8	Exposure Controls and Personal Protection
	Latex (or equivalent) Gloves.
Section 9	Physical and Chemical Properties
	Fully flexible sheeting supplied in various widths and roll lengths.
Section 10	Stability and Reactivity
	Inherently stable, soluble in certain solvents.
Section 11	Toxicological Properties
	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 and ankles. Lead exposure also causes small increases in blood pressure, particularly in middle aged and older people and can cause anaemia. Exposure to high lead levels can damage the brain and kidneys, cause miscarriage and can damage the organs responsible for sperm production.
Section 12	Ecological Information
	Lead is non degradable and will persist in the environment. It is 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	Revisions
	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 or the products for their own particular purposes.