



Ancillary materials, equipment & fittings
For all types of tunnelling

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Material Safety Data Sheet

Lead Extruded Products

Composition

Physical State	Solid
Appearance	Dull grey, metallic
Melting Point (Deg C)	327.3
Boiling Point (Deg C)	1740
Density (KG/m ³)	11.337 at 20 Deg C
Ultimate tensile strength	12-13 Mpa
Latent heat of Fusion	23.2 J/g

Hazard Identification

Physical State	avoid dispersion of duct in air. Thermal burns from contact with molten product.
Eyes	Molten metal may cause severe damage and result in loss of vision.
Skin	Molten metal may cause severe damage to skin tissue
Ingestion	Material will cause thermal burns and lead poisoning
Inhalation	Exposure to dust or processing fumes may cause gastrointestinal irritation and vomiting.

First Aid Measures

Eyes	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain urgent medical attention.
Skin	In case of contact with molten metal, immediately flood affected area with cold water. Obtain urgent medical attention
Ingestion	Do not induce vomiting. Obtain urgent medical attention
Inhalation	In case of exposure to fumes, remove from exposure. Obtain medical attention

Personal Protection

Eyes	Face shield when handling hot product.
Hand	Leather, thick textile or other thermal gloves if handling hot material
Respiratory	Dust respirator. Respiratory protection if there is a risk of exposure to high vapour concentrations

Fire Fighting Measures

Extinguishing media	not combustible. Use suitable extinguishing agent appropriate to other materials involved.
Unsuitable media	do not use water

Disposal

Product	Metals should be recovered if possible. Residues to be returned to refinery.
Containers	Contaminated containers should not be re-used

Ecological Information

Mobility	Product is involatile and insoluble, and will cumulate in the ground.
Bio-accumulation	Product is rated as highly toxic to aquatic species.
Persistence/ Degradability	Product is expected to be resistant to bioderadation. Limited information indicates a potential to bio-accumulate.

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