

Material Safety Datasheet

Harmer Unitary Outlets and Drains

Ref: M001DR

1. Identification of the substrate/preparation and of the company/undertaking

1.1 Identification/Trade name: Harmer Unitary Outlets and Drains

1.2 **Manufacturer/Supplier:**

Alumasc Water Management Solutions
 Station Road, Burton Latimer, Kettering, Northamptonshire, NN15 5JP, United Kingdom
 Tel: +44 (0)1744 648400 Fax: +44 (0)1744 648401 E-mail: info@alumascwms.co.uk

1.3 **Telephone number in case of emergency:**
 +44 (0)1744 648400

2. Hazards identification

The major hazards identified for these products are physical and include cuts, abrasions, manual handling. Sparks may be generated from cutting processes.

There is a minor dust and fume hazard produced during cutting of cast iron and aluminium products, which could cause respiratory problems. There are set Occupational Exposure Standards for iron and aluminium dust and welding fume although it is not anticipated that any modification of this product will be required.

3. Composition and information about the Components

Cast and moulded iron, stainless steel & aluminium products

4. First-aid measures

Exposure Route	Symptom	Treatment
Inhalation	Irritation of respiratory tract	Remove from exposure and into fresh air. If discomfort persists seek medical advice.
Eye contact	Smarting	Wash out with plenty of clean water. If irritation persists seek medical attention

5. Fire-fighting measures

This metal in these products does not constitute a fire hazard. Use extinguishing media appropriate to the surrounding fire conditions.

6. Accidental release measures

Damaged product can be taken up and disposed of to landfill as inert waste if necessary, however recycling is the preferred method of disposal. As supplied, the products are not classified as hazardous under COSHH Regulations.

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7. Handling and storage

When handling product, due regard should be paid to the risks outlined in the Manual Handling Operations Regulations 1992, appropriate PPE should be used (see section 7). When cutting the product with a saw or angle grinder, appropriate measures to control dust should be used (see section 7). The product should be stored in a safe and stable manner.

8. Exposure controls/personal protection

8.1 Occupational Exposure Standard (OES)

Aluminium metal	Total inhalable dust	Respirable dust
Long-term exposure limit (8-hour TWA reference period)	10 mgm ⁻³	4 mgm ⁻³

Iron Oxide, fume (as Fe)		N/A
Long-term exposure limit (8-hour TWA reference period)	5 mgm ⁻³	N/A
Short-term exposure limit (15-min. reference period)	10 mgm ⁻³	N/A

Welding Fume		
Long-term exposure limit (8-hour TWA reference period)	5 mgm ⁻³	N/A

8.2 Personal protective equipment:

Wear suitable protective clothing e.g. overalls, gloves and safety boots to reduce the chances of physical injury while using this product.

Local Exhaust Ventilation, goggles and a dust mask to the relevant European standard (EN149) may be required if a cutting method that liberates dust is used.

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9. Physical and chemical properties

Appearance	Shaped metal product
Colour	Silvery grey (may be coated with paint)
Odour	None
pH	N/A
Boiling Point	N/A
Melting Point	N/A
Flash Point	N/A
Flammability	N/A
Auto Ignition Temperature	N/A
Explosive Properties	Not explosive

10. Stability and reactivity

Iron is stable but may tarnish in moist air. Stainless steel has been treated to prevent tarnishing. Aluminium forms an oxide barrier on air contact, which prevents further tarnishing.

11. Toxicological information

These products are not classified as toxic.

12. Ecological information

Subsequent to manufacture, this is a stable product with no known adverse environmental effects.

13. Disposal considerations

Dispose of this product at any approved solid waste disposal site. Disposal of the product should be in accordance with any local or national regulations although recycling is preferred.

14. Transport information

Classification for conveyance:- None required.

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15. Regulatory information

Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.

16. Other information

Health & Safety at Work, etc. Act 1974.

Control of Substances Hazardous to Health (COSHH) Regulations 1999.

HSE Guidance Note EH40 (Occupational Exposure Limits).

Manual Handling Operations Regulations 1992.

St John/Red Cross or any other Authorised Manual on First Aid.

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