

1. Product and Company Identification

Product name (not exclusive):

CivicDrain; Easyline; HexDrain; HexDrain Brickslot; HexDrain Pro; MultiDrain; MultiDrain PPD; Q-Cepton; Qmax; Qmax Access Chambers; RainDrain; S Range; Sport ranges; StormBrixx; Universal Gully

Approved Use:

ACO surface drainage systems are intended for the collection and conveyance of surface water from areas subject to pedestrian and/or vehicular traffic. Rainwater forms the main application of these systems.

Supplier:

ACO Technologies plc
ACO Business Park, Hitchin Road, Shefford, Beds SG17 5TE
Telephone: 01462 816666

2. Hazards Identification

Hazard Category Means of entering the body	Non-Hazardous
Inhalation	Yes
Skin/Eye	Yes
Swallowed	No
Injected	No

Exposure Risk:

The products are non-hazardous in normal use. Cutting or grinding operations may give rise to respirable dust which, if inhaled in excessive quantities, could become a long term health hazard. During such operations there is also the possibility of dust or fragments being ejected at high speed which could result in impact damage, particularly to the eyes. A dust mask and suitable eye protection should therefore always be worn whenever grinding or cutting takes place.

Cutting or grinding operations should not be carried out in the vicinity of flammable or explosive materials to avoid any risk of ignition by sparks.

Some of the products in the range may be comparatively heavy and good manual handling techniques should always be practised in order to prevent problems such as back strain etc. In the case of the heavier products (>23kg) suitable mechanical lifting equipment should be employed wherever possible.

Handling products could cause abrasive damage to the hands or skin, so suitable protective gloves are recommended.

3. Composition/Information on Ingredients

Technical Name:

Gratings and covers for use with ACO surface water drainage systems.

Composition:

ACO gratings and covers are supplied in a range of materials to suit the particular application. The main types are as follows:

CAST IRON: Manufactured in either grey or spheroidal graphite cast iron. These will generally have a temporary surface coating or are ATec coated.

ROLLED STEEL: Manufactured from fabricated steel sections, assembled by pressing, welding, riveting etc or from solid sections produced by cutting, grinding etc. These may have a painted, galvanised, or other surface finish depending upon the requirement or in some cases may be manufactured from stainless steel.

COMPOSITE: Manufactured from polyester, vinylester, or other resin containing reinforcement materials such as glass fibre etc depending upon the requirement.

4. First Aid Measures

There is no immediate medical risk associated with the use of ACO's polymer concrete products.

INHALATION OF DUST: Remove the person to fresh air and seek medical assistance in the case of breathing difficulties.

CUTS AND ABRASIONS TO THE SKIN: Clean any wound thoroughly and apply a sterile dressing. Seek medical assistance if bleeding or irritation persists.

EYES: In the event of dust or fragments entering the eye, avoid rubbing the eye. Flush out with copious quantities of clean water or saline eye-wash solution. Seek medical assistance if any irritation persists.

5. Fire Fighting Measures

FIRE RISK: Composite material is combustible and will burn if ignited. Polypropylene burns with a dripping flame and may release carbon monoxide, carbon dioxide, and hydrocarbons during combustion. It is not self-extinguishing and should be kept away from open flames and high heat sources.

The flash point of polypropylene is approximately 330–360 °C.

FIRE FIGHTING PROCEDURES: In a fire composite gratings could generate black smoke and/or toxic fumes. In such a situation the use of self-contained breathing apparatus is recommended.

EXTINGUISHING MEDIA: Water Spray, CO₂, Dry Powder, Foam, Sand.

6. Accidental Release measures

Not Applicable.

7. Handling and Storage

HANDLING: The use of protective gloves and safety footwear is recommended whenever the product is handled manually. Suitable lifting equipment should be used when handling heavier items.

STORAGE: The product is normally supplied on pallets. Care should be taken to ensure that pallets are stacked on level ground and that the weight of the product is taken into account to ensure stable stacking.

CONTAINER: Pallet

WHERE STORED: No special requirements

8. Exposure Controls/Personal Protection

Wear protective gloves and safety footwear during manual handling.

Use lifting equipment for heavier products.

Always wear dust mask and eye protection during cutting or grinding operations.

Ensure stability of stacks during storage.

9. Physical and Chemical Properties

APPEARANCE AND ODOUR: Depends on type and material.

OTHER PHYSICAL PROPERTIES: None.

10. Stability and Reactivity

Stable under normal conditions.

11. Toxicological Information

Not toxic when used for intended purpose.

12. Ecological Information

No known effects.

13. Disposal Considerations

May be disposed of in accordance with local regulations.

14. Transport Information

Not classified.

15. Regulatory Information

Not applicable.

RISK/SAFETY CODE	DESCRIPTION
S22	Do not breathe dust
S37	Wear suitable gloves
S38	Wear eye/face protection

16. Other Information

This Material Safety Data Sheet (MSDS) is furnished to the immediate purchaser of the product to which it refers without representation or warranty as to the completeness or accuracy of any information or recommendations contained herein. This MSDS is not intended to create liability of any kind on the part of ACO Technologies plc.

In no event will ACO be responsible for any death, injury, or damage of any nature whatsoever resulting from the use or misuse of, or reliance upon, the MSDS or material to which it refers.