



## Material Safety Data Sheet

**Product Name - ACO Surface Drainage Systems**

**Ref - 1.91**

### 1. Product and Company Identification

Brand name: ACO Drain - Channel Drainage Systems

Alternative subst:

Last updated: 19/04/2006 Data sheet last issued:

Approved use:

ACO Drain surface drainage systems consist of channel sections and ancillaries manufactured from ACO Syntolit 'P' or Syntolit 'V' polymer concrete. These are normally supplied complete with metal or composite gratings in a range of materials and designs according to customer requirements. The systems are designed to convey surface water and other liquids from paved or hard surfaced areas to an underground drainage system.

Supplier:

ACO Technologies Plc.  
ACO Business Park  
Hitchin Road  
Shefford  
Bedfordshire  
SG17 5TE

Telephone: 01462 816666  
Fax: 01462 815895  
Emergency Tel: 01462 816666

### 2. Composition/Information on Ingredients

Technical name: Syntolit 'P' or Syntolit 'V' polymer concrete.

Composition:

ACO's polymer concrete consists of a mixture of various naturally occurring aggregate materials in conjunction with an unsaturated polyester or vinylester resin which when fully cured acts as a binder.

### 3. Hazards Identification

Hazard category: Non-Hazardous

Means of entering the body:-

Inhalation:  Skin/eye:  Swallowed:  Injected:

Exposure risk:

Whilst in normal use the products are non-hazardous. 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 cutting or grinding is necessary.

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 avoid problems such as back strain etc. In the case of the heavier items suitable mechanical lifting equipment should be employed whenever possible.

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

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## **4. First-Aid Measures**

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

### **INHALATION OF DUST/FUMES:**

Remove the exposed person to fresh air and seek medical aid in the case of breathing difficulty.

### **CUTS/ABRASIONS TO THE SKIN:**

Clean any wound thoroughly and apply a sterile dressing. Seek medical aid 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:**

Although the material will burn if the temperature becomes sufficiently high the material is generally self extinguishing and is not considered to be a particular fire risk.

### **Fire fighting procedures:**

In a fire situation black smoke and/or toxic fumes may be generated. In such a situation the use of self contained breathing apparatus is recommended.

Extinguishing media: Water spray, CO<sub>2</sub>, 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 items

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

Ensure stability of stacks during storage.

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## 9. Physical and Chemical Properties

Appearance & odour: Beige coloured solid(some items may be pigmented)

Density (Kg/l): ~2.2

Other physical properties:

Compressive Strength: 90-100N/mm<sup>2</sup>

Flexural Strength: 22-25N/mm<sup>2</sup>

## 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 as landfill according to local regulations.

## 14. Transport Information

Not classified

## 15. Regulatory Information

Not applicable

Risk/Safety Codes	Description
S22	Do not breathe dust
S37	Wear suitable gloves
S39	Wear eye/face protection

## 16. Other Information

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