

# HEALTH & SAFETY DATA SHEET

## PRE-CAST CONCRETE KERBS

### 1.PRODUCT.

Pre-cast concrete kerbs are designed to enable the user to produce a line of kerbing which adheres to the surface of the road and is of a high quality, when used in accordance with the user instructions.

### 2.PHYSICAL AND CHEMICAL CHARACTERISTICS.

Pre-cast concrete kerbs are manufactured to a fine tolerance by the consolidation of a hydrated mixture of aggregates and cementitious materials which subsequently undergo a curing process.

### 3.MAIN HAZARDS.

The handling of pre-cast concrete kerbs may cause abrasive damage to the hands. Excessive handling may cause dermatitis or drying of unprotected skin. Cutting or similar surface treatment will produce respirable dust. Such dust, if containing quartz and if inhaled in excessive quantities over extended periods, can constitute a long term health hazard. Advice on the quartz content of dust produced from individual aggregates is available from the suppliers if required. Cutting etc: unless properly controlled can project particles at high velocity with the consequent risk of impact damage. The kerbs have a factory added adhesive which when heated will produce fumes. Refer to data sheet on this adhesive product.

### 4.PRECAUTIONS.

During cutting or heating or similar operations, inhalation of dust or fumes should be avoided and eyes should be protected.

### 5.PROTECTIVE EQUIPMENT.

Whilst handling protective gloves should be worn. During cutting, heating or similar operations, respiratory and eye protective equipment should be worn.

### 6.TRANSPORTATION, STORAGE AND DISPOSAL.

Transportation of pre-cast kerbs is not subject to hazardous substance, conveyance regulations and vehicle labelling is not required. The concrete in the kerbs is inert and the adhesive, although flammable at high temperature, is applied in so low a quantity as not to constitute a hazard. Handling and stacking should be with care. The kerbs are quite light in weight, however carry one at a time. Disposal should be in accordance with local legal requirements.

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## STRIP ADHESIVE for SCAN KERB SYSTEM

### 1.PRODUCT.

One Metre strips of adhesive, 80mm in width and 4mm thick, used to re-glue kerbs which have moved by design or by accident. Adhesive also used as a packer when road surface is uneven.

### 2.PHYSICAL AND CHEMICAL CHARACTERISTICS.

Strip adhesive contains bitumen, mineral oils & fibre, fossil flour, rubber powder and SBS polymer. At room temperature it is a stable black composition. Flammable at 220C. It will dissolve in organic solvent.

### 3.MAIN HAZARDS.

When heated, will produce fumes which can irritate the throat, air passages and eyes. Hot adhesive on skin and eyes can be dangerous. With prolonged contact with skin, of adhesive dissolved in oil or solvent, the possibility of cancer cannot be excluded. When heated above flash point will catch fire. Bitumen fumes mixed with air are explosive.

### 4.PRECAUTIONS.

During heating operations, inhalation of fumes should be avoided and eyes should be protected. Do not heat in confined spaces with poor ventilation. Avoid over heating to prevent build up of sulphuretted hydrogen. Do not allow heated adhesive to be in contact with water to avoid explosion of steam.

### 5.PROTECTIVE EQUIPMENT.

Whilst handling, protective gloves should be worn. During heating operations, respiratory and eye protective equipment should be worn.

### 6.STORAGE AND DISPOSAL.

Store in a cool place away from direct sun light. Disposal in accordance with local regulations.

### EMERGENCY ACTIONS.

INGESTION. Seek medical advise.

INHALATION. Remove to fresh air and keep at rest.

SKIN SPLASHES. Cool off immediately in cold water. DO NOT try to remove cold adhesive, but contact hospital or doctor.

EYE SPLASH. Irrigate for at least 10 minutes with running water and contact hospital or doctor.

FIRE. DO NOT use water. Use media-carbon dioxide or dry powder foam.

### NOTE.

The above instructions generally apply to adhesive in bulk.

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## R.A.K TACKCOAT for SCAN KERB SYSTEM

### 1.PRODUCT.

A solution used to flux the surface of an asphaltic or bituminous road and the adhesive underside of Scan Kerbs so causing them to fuse together in a period of time.

### 2.PHYSICAL AND CHEMICAL CHARACTERISTICS.

R.A.K. is manufactured as a solution of bitumen and xlene with a flash point of 26 C, boiling point of 139 C and freezing point of -54 C.

### 3.MAIN HAZARDS.

R.A.K. is a flammable liquid and harmful by inhalation or if swallowed. Frequent or prolonged contact with the skin may cause irritation.

### 4.PRECAUTIONS.

Do not breathe vapour, do not swallow, avoid contact with skin and eyes, keep away from sources of ignition. Do not smoke. Do not use in poorly ventilated situations.

### 5.PROTECTIVE EQUIPMENT.

Protective gloves should be worn. During heating or in case of insufficient ventilation respiratory and eye protective equipment should be worn.

### 6.TRANSPORTATION, STORAGE AND DISPOSAL.

Transport in accordance with UN NO 1263

Storage. Keep away from direct sunlight and sources of heat. Keep containers tightly closed.

Disposal. Liquid solution to be treated as hazardous waste. Do not allow to enter drain.

The physical properties and slow rates of bio-degradation of petroleum products can cause interference with the normal functioning of ecological cycles and can take a long time for a contaminated area to recover. Petroleum products should therefore be contained at all times and spillage avoided.

### EMERGENCY ACTIONS.

INGESTION. Seek medical advice.

INHALATION. Remove to fresh air and keep at rest.

SKIN SPLASHES. Wash affected parts with soap and water or proprietary skin cleaner. DO NOT use strong solvents.

EYE SPLASHES. Irrigate for at least 10 minutes with running water and seek medical advice.

FIRE. DO NOT use water. Use media-carbon dioxide or dry powder foam. Keep containers cool by spraying with water.

SPILLAGE. Contain with sand or earth. Prevent liquid entering drains. Remove and dispose of material in closed containers.