

COSHH REGULATIONS 1994 & EH 40/97 HEALTH HAZARDS SPECIFICATION

PRODUCT: Trulok Prelude Suspension Systems

SUPPLIER: Armstrong World Industries Ltd
Building Products Division
Armstrong House
38 Market Square
Uxbridge
Middlesex UB8 1NG

COMPOSITION:

Roll formed and pressed galvanised steel or aluminium suspension components, for the support of infill ceiling panels, supplied in cartons or wire tied bundles.

Steel sections are in accordance with the following standards:

European Standard EN 10214	Pre-painted steel capping
European Standard EN 10142	Hot-dipped galvanised steel sheet
European Standard EN 10152	Electrolytic galvanised steel sheet.

Hot dipped galvanised steel profiles or components may have residues of mineral oil lubricants, emulsifiers, corrosion lubricants and non-phenolic biocide.

Aluminium sections are extruded from billet type HE9 TF.

Physical Properties:

Light commercial steel or aluminium sections.

Chemical Properties:

Hot dipped galvanised steel

Steel composition:	Iron	99.9%
	Carbon	0.08% max
	Manganese	0.35% max
Coating composition:	Aluminium	0.08% max
	Zinc	99.5%
Organic coating:	Aluminium	0.50% max
	Primer	epoxy or polyester
	Finish	polyester

Organic coatings applied to the galvanised steel are epoxy primer and polyester finish which are fully polymerised by induction curing and no volatile compounds remain in this film.

FIRE/EXPLOSION HAZARD DATA:

Under normal conditions of storage and use the products are not flammable or hazardous. The products can be enveloped by fire and noxious products can be released by localised heating. Appropriate respiratory protection should be employed if the occupational exposure limits are exceeded. Occupation exposure limits for the principal components from these products are shown in the table below.

	Long-term exposure limit (8 hour TWA reference period) mg.m ⁻³	Short-term exposure limit (15 minute reference period) mg.m ⁻³
Carbon monoxide	58.00	349.00
Chromium hexavalent compounds	0.05	-----
Acrolein	0.23	0.70
Iron oxide fumes	5.00	10.00
Zinc oxide fumes	5.00	10.00
Phtalic anhydride	4.00	12.00
Aluminium oxide	10.00	-----
Phenol	20.00	39.00

UNLOADING AND STORAGE PRECAUTIONS:

Steel sections are palletised and banded for transport and for storage purposes. The pallets can be off loaded using a forklift truck. Storage can be in a dry unheated covered warehouse. Stacking should always on a level bearing and be in full pallets, which are supplied with banding strips.

HEALTH HAZARD DATA:

The products are non-toxic under normal conditions of storage.

- Ensure that an appropriate dressing protects skin cuts and abrasions. Hands should be washed regularly and always before consuming food.
- Protective clothing should be worn to prevent laceration of the skin by sharp, damaged or cut edges of profiles; or during handling or release of the pallet banding strips or tie wires on bundles.
- Suitable eye protection should be worn in accordance with “The Protection Of Eyes Regulations (1974)”, and such protection should be used when power tools are operated on the products or when pallet banding straps are released.
- When releasing banding straps or tie wires care must be taken that the content of the pallet or bundle remains stable.
- Hot work such as drilling, cutting, welding or brazing should be controlled to minimise the risk from the emission of harmful fumes. Good ventilation should be available and inhalation avoided by the use of appropriate respiratory protection.
- If the surface of the product is either mechanically or hand sanded, high levels of inhalable dust and other harmful substances may be released. If such operations cannot be avoided, appropriate respiratory protection is required.

- Metal sections are good electrical conductors and precautions should be taken to ensure that contact is not made with live power sources.

EMERGENCY / FIRST AID REQUIREMENTS:

Skin Contact: Rinse loose material from skin and then wash skin thoroughly using a recommended skin cleaner. If after final rinsing and thorough drying of the skin, it is still giving problems, seek medical attention.

Eye Contact: Irrigate for at least 15 minutes - seek medical attention if symptoms persist.

SPILLAGE / LEAKAGE PROCEDURES:

No specific requirement

WASTE DISPOSAL METHODS:

Waste material should be treated as commercial scrap and removed to an appropriate recycling or disposal centre.

Packaging and interleaving materials, where used, should be collected and suitably disposed.

Keep out of reach of children.

OTHER INFORMATION:

If there are any queries please contact: Internal Technical Sales
☎ 0800 371849

Trulok (Grid) COSSH.DOC
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