superior sections
roll forming innovation

HEALTH & SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND COMPANY

SUPERIOR Resilient Bar

Manufacturer:

Superior Sections Ltd
32 Regal Drive
Walsall
Enterprise Park
Walsall
WS2 9HQ

T: 01922 620333

2 COMPOSITION/INFORMATION OF INGREDIENTS

Roll formed metal sections coated with zinc electrolytic process or hot dip galvanised process. The sections may have protective film of a roll forming hydrocarbon (oil/paraffin etc.) lubricant or a residue of cutting fluid.

3 HAZARDS IDENTIFICATION

There is a risk of cuts and abrasions from sharp edges or protrusions and from tensioned banding. Frequent handling may cause skin irritation from the residue of lubricant/rust inhibitors.

During cutting or welding, irritant fumes may be evolved which can cause metal fume fever.

4 FIRST AID MEASURES

Inhalation of dust/fumes:
Remove person to fresh air.

Skin contact:
Rinse skin with running water and then wash with soap and water.

Eye contact:
Wash with clean water for 10 minutes and obtain medical advice if irritation persists.

Ingestion of dust/fumes:
Wash out mouth and drink plenty of clean water. Do not induce vomiting.

Please note:
Should any symptoms persist obtain medical assistance.

5 FIRE FIGHTING MEASURES

Metal sections are non-flammable, but the protective coating or lubricant may be flammable and should be extinguished with carbon dioxide, dry powder, foam, sand or plaster.

6 ACCIDENTAL RELEASE MEASURES

Control and collect any metal dust, sweep up and shovel into bags.

7 HANDLING AND STORAGE

Eye protection should be used when using hand tools.

Formed edges and cut ends may be sharp. Gloves should be worn when handling metal sections to avoid risk of lacerations.

Head protection should be worn when overhead hazards exist.

Sections supplied in bundles, small packs and strapped together in large packs for fork-lift truck off-loading, should be stacked in a safe and stable manner. Bands or straps should not be used for lifting. Metal sections may spring apart when banding is released.

Consider risks as required by Manual Handling Operations Regulations 1992 if handling manually.

Fixers must work from an independent support system as metal sections are not designed to support body weight.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:

Substance	Total inhalable	Total respirable
Iron Oxide	5mg/m^3	10mg/m^3
Zinc Oxide	5mg/m^3	10/mg/m^3

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Respiratory:
If fumes or dust is produced, ventilate the area of storage or work. When welding, cutting or grinding, wear approved respiratory equipment.

Eye:
Wear safety goggles to BS EN 166 2A5 to protect the eyes when cutting tensioned banding.

Skin:
Wear protective gloves, overalls, and footwear when handling metal sections.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:
Metal sections in various lengths, thicknesses and formations.

Odour:
Paraffin/Oil (protective coating).

10 STABILITY AND REACTIVITY

Stable under normal conditions but when subjected to elevated temperatures, fumes are produced.

11 TOXICOLOGICAL EFFECTS

Mechanical working such as dry grinding and machining will produce dust of the same composition as the coating coating and base material.

The primary mode of entry into the body is by inhalation. Excessive airborne concentrations over a long period of time may have a long-term effect on the worker, particularly effecting the lungs.

If subjected to elevated temperatures, e.g. during welding or flame cutting, fumes are produced containing oxides of zinc and iron and also breakdown products of any protective coating, if present.

The potential effects of health include metal fume fever, a condition similar to influenza.

12 ECOLOGICAL EFFECTS

No known harmful effects.

13 DISPOSAL CONSIDERATIONS

Authorised recycling facilities in accordance with current Waste and Environmental Permitting Regulations.

14 TRANSPORT INFORMATION

Not classified as hazardous for transport.

15 REGULATORY INFORMATION

Products are not classified as hazardous under:

Chemicals (Hazard, Information and Packaging for Supply (Amendment) Regulations 2000 (CHIP 2000).

16 OTHER INFORMATION

The user should be satisfied that the information data sheet is the current version, to confirm please telephone Superior Sections technical department.

This safety data sheet:

Does not replace the users' own work place risk assessment.

Was complied using the current safety information supplied supplied by the distributors/manufacturers of the component materials.

Is not intended for the purpose of precise product specification or warranty.

Is based upon the present state of our knowledge and is intended to describe our products from the point of view of health and safety. It should not be construed as guaranteeing specific properties.