METAL SECTIONS

1. Identification of the substance / preparation and company

Substance / preparation

- Knauf metal studs
- Knauf metal channels
- Knauf SBS sections
- Knauf ceiling sections
- Knauf angle sections
- Knauf metal beads

Manufacturer

Knauf Drywall

Head Office

P.O. Box 133

SITTINGBOURNE

Kent ME10 3HW

Telephone: (01795) 424499
Emergency telephone: 01795 416270

2. Composition/Information on ingredients

Mild steel sections coated with zinc electrolytic process or hot dip galvanised process. The sections may have a 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 problems from the residue of lubricant/rust inhibitors. During welding or cutting, irritant fumes may be evolved which can cause metal fume fever.

4. First Aid Measures

Inhalation: Remove the person to fresh air.

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

Eye contact: Irrigate with plenty of water and obtain medical advice.

Ingestion: Wash out mouth and give the patient plenty of water.

Please note: should any symptoms persist obtain medical assistance.

5. Fire-fighting Measures

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

6. Accidental release measures

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

(refer to section 8, Exposure/Protection and section 13. Disposal Considerations).

7. Handling and Storage

When using hand tools eye protection should be worn.

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

Head protection should be worn when overhead hazards exist.

Avoid prolonged contact with skin and wear protective clothing when handling metal sections (refer to section 8).

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

Note: If handling manually, consider risks as required by manual handling operations regulations 1992.

Metal sections are not designed to support body weight; fixers must work from an independent support system.

8. Exposure controls/personal protection

Occupational exposure limits

Substance	Total inhalable	Total respirable
Iron Oxide	5mg/m³	10mg/m³
Zinc Oxide	5mg/m³	10mg/m³

Chromium metal also chromium (II) and chromium (III) compounds (as Cr) long term 0.5 mg/m³ (OEL).

Chromium (VI) compounds (as Cr) long term 0.05 mg/m³ (MEL).

Antimony and its compounds (as Sb) long term 0.5 mg/m³ (SEL).

Antimony trioxide and trisulphide (as Sb) long term 0.5 mg/m³ (SEL).

Lead and lead compounds excluding tetraethyl lead (as Pb) long term 0.15 mg/m³ (Approved code of practice. Lead in air standard).

** TWA long term is 8 hours, short term is 15 minutes*.

Personal protection

Respiratory:	Ventilate the area of storage or work if fume or dust is produced. Wear approved respiratory equipment when welding, flame cutting or grinding.
Skin:	Wear protective gloves, overalls and footwear, when handling sections.
Eye:	Wear safety goggles to BS EN 166 2A 5 to protect eyes when cutting tensioned banding

9. Physical and chemical properties

Physical data

Fire hazard rating	Ignitability	0
	Spread of flame	0
	Heat evolved	0
	Smoke developed	0

Non-combustible

(Refer to section 2 – Composition/Information on ingredients).

10. Stability and reactivity

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

11. Toxicological information

Mechanical working such as dry grinding and machining, will product dust of the same composition as the coating and base metal. 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 on health include metal fume fever, a short lasting, self limiting condition with symptoms similar to influenza.

The principal mode of entry into the body is by inhalation and if airborne concentrations are excessive over long periods of time they may have a long term effect on the health of the worker, primarily affecting the lungs.

12. Ecological information

No known harmful effects.

13. Disposal Considerations

Recycle or can be disposed of at an authorised landfill site in accordance with local or national controls.

14. Transport Information

Not classified as hazardous for transport.

15. Regulatory Information

16. Other Information

This product should be used as directed by Knauf. For further information consult the technical department.

An on-site risk assessment should be carried out before use.

This safety data sheet:

- supersedes all previous issues, and users are cautioned to ensure it is current. Destroy all previous data sheets, and if in any doubt, contact Knauf, quoting the date in the top right hand corner of this document.
- does not replace the users own workplace risk assessment.
- was compiled using the current safety information supplied by the distributors of the component materials.
- is based on the present state of our knowledge and is intended to describe out products from the point of view of health and safety requirement. It should not be construed as guaranteeing specific properties.