



Metal Sections

Control of substances Hazardous to Health Regulations

COSHH Report

1. Identification of the substance / preparation and company

- *Knauf metal studs
- *Knauf metal channels
- *Knauf SBS sections
- *Knauf ceiling sections
- *Knauf angle sections
- *Knauf flame barrier sections
- *Knauf metal beads

Manufacturer: Knauf (UK) Head Office, PO Box 133, Sittingbourne, Kent ME10 3HW, Telephone (01795 424 499) Emergency telephone (01795) 416 270.

2. Composition / Information on ingredients

Metal sections are not classified as hazardous under CHIP2 Regulations 1994. Refer to section 15 Regulatory information). 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 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

Formed edges and cut ends may be sharp. Gloves should be worn when handling the material to avoid risk of lacerations. 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	Long term	Short term
Iron Oxide	5mg/m ³	10mg/m ³
Zinco Oxide	5mg/m ³	10mg/m ³

Chromium metal also chromium (II) and chromium (III) compounds (as Cr) long term 0.5mg/m³ (OEL). Chromium (VI) compounds (as Cr) long term 0.05 mg/m³ (MEL).

Antimony and its compounds (asSb) 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 2 A 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 produce dust of the same composition as the coating and base material. 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 at 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

Coated steel products are articles not substances and as such not subject to the chemicals (Hazard information and Packaging for supply) Regulations 1994. This Safety Data Sheet has been prepared in full accordance with section 6 of CHIP 2 and directive 01/166/EEC.

16. Other information

This products should be used as directed by Knauf. For further information consult the technical department. 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.
- * 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 our products from the point of view of health and safety requirement. It should not be construed as guaranteeing specific properties.