

Section 1. Identification of The Material And Supplier

Product Name:

Knauf Metal Stud
Knauf Metal Channels
Knauf Metal Angels
Knauf Metal Brackets
Knauf Metal Ceilings
Knauf Metal Furings
Knauf Metal Trusses
Knauf Metal Clips
Knauf Metal Top Hats

Manufacturer:

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Section 2. Hazard 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.

Section 3. 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.

Section 4. First Aid Measure

Eye	Irrigate with plenty of water and obtain medical advice.
Inhalation	Remove the person to fresh air.
Skin	Rinse skin with running water, then wash with water and soap.
Ingestion	Wash out mouth and give the patient plenty of water.
Advice to Doctor	The manufacturer recommends treating the patient symptomatically.

Section 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.

Section 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).

Section 7. Handling & 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.

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

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Substance	Total Inhalable	Total Respirable
Iron Oxide	5 mg/m ³	10 mg/m ³
Zinc Oxide	5 mg/m ³	10 mg/m ³

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 Protections

- 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.

Section 9. Physical & Chemical Properties

Fire Hazard Rating	Ignitability	0
	Spread of the flame	0
	Heat evolved	0
	Smoke developed	0

Non Combustible
(Refer to section 2 - Composition/Information on Ingredients)

Section 10. Stability And Reactivity

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

Section 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.

Section 12. Ecological Information

No known harmful effects.

Section 13. Disposal Consideration

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

Section 14. Transport Information

Not classified as hazardous for transport.

Section 15. Regulatory Information

No special labeling required.

Section 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 our products from the point of view of health and safety requirement. It should not be construed as guaranteeing specific properties.