



Safety Data Sheet

Metal Section

Section1. Identification of the material, preparation and company

Product Name: Profiles & Connections

Metal Corner Beads

Metal Studs C & CW

Metal Runner U & UW

Metal Corner L

Metal Structures U36 and UD28.5

T Grid Profiles (L & Main Runner & Cross T)

Chemical Material Name: Galvanized Steel & Prepainted Galvanized Steel

Manufacturer: K+

Contact Information:

Head office: No.19, East Qobadian Dead End, Nelson Mandela (Africa) Blvd, Tehran 19176, Iran

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Factory: 23 km of Khavaran Road

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Section2. Hazard Identification

There is a risk of cuts and abrasions from sharp edges or protrusions. 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.

Section3. Composition/Information on Ingredients

Mild steel sections coated hot dip galvanized process. The sections may have a protective film of a roll forming hydrocarbon (oil/paraffin etc.) lubricant or a residue of cutting fluid.

Section4. First Aid Measures

This formed solid metal product poses little or no immediate health or fire hazard. When product is subjected to welding, burning, melting, sawing, brazing, grinding, or other similar processes, potentially hazardous airborne particulate and fumes may be generated. Avoid inhalation of metal dusts and fumes. Operations having the potential to generate airborne particulates should be performed in well ventilated areas and, if appropriate, respiratory protection and other personal protective equipment should be used. Iron or steel foreign bodies imbedded in the cornea of the eye may produce rust stains unless removed fairly promptly.

Inhalation: Remove the person to fresh air.

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

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

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

Please note: *should any symptoms persist obtain medical assistance*

Section5. Fire-fighting Measures

Extinguishing Media:

This material will not burn. Use fire-extinguishing media appropriate for surrounding materials.

Fire Fighting Instructions:

Use standard firefighting procedures & consider the hazards of other involved materials.

Hazardous Combustion Products:

At temperatures above the melting point, fumes containing metal oxides and other alloying elements may be liberated.

Section6. Accident Release Measures

This product is unlikely to be involved in a release or spill as intended by this section. If it is spilled, recover material & reuse.

Section 7. Handling and Storage

Handling: 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 control/Personal protection

The product as sold/shipped in its physical form does not present an inhalation or ingestion hazard, nor would any of the following exposure data apply. However, operations such as high temperature (burning, welding), sawing, brazing, machining and grinding may produce fumes and/or particulates.

Occupational exposure limits

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

Section9. Physical & 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).

Section10. Stability & Reactivity

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

Section11. 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.

Section12. Ecological Information

No known harmful effects.

Section13. Disposal Consideration

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

Section14. Transport Information

Not classified as hazardous for transport.

Section15. Regulatory Information

Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in the standard for the uniform scheduling of drugs and poisons.

Section16. Other Information

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

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

This safety data sheet 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.