

IRON

SAFETY INFORMATION SHEET

数据表

This Safety Information Sheet provides essential health, safety, and environmental information for Iron, a widely used metal known for its strength, durability, and versatility across a range of industrial and manufacturing applications. The information herein is intended to assist users in the safe handling, storage, processing, and disposal of Iron in various operational environments. While Iron is considered stable under normal conditions, appropriate precautions should always be taken to minimize risks during its use. This document is not a substitute for regulatory compliance or a Material Datasheet, but complements it by offering additional safety guidance specific to this material.

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

Trade name: Iron JP, JJP, JPX, JJPX

Product type: Thermo element

Manufacturer/Supplier:
Kanthal AB
Box 502
734 27 Hallstahammar
+46 220-210 00

E-mail: ehs@kanthal.com

Emergency telephone: Use your local emergency number

HAZARDS IDENTIFICATION

None.

COMPOSITION/INFORMATION ON INGREDIENTS

Compounds	EINECS-no.	CAS-no.	Content %	Symbol	H-value
Iron	231-096-4	7439-89-6	Min 99%	Fe	

FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin contact: Wash with soap and water.

Eye contact: Rinse immediately with water for several minutes, with eyelids held open.

Ingestion: Not a normal route of exposure.

FIRE-FIGHTING MEASURES

Fire and explosion risks: Incombustible.

Suitable extinguishing media: Use suitable extinguishing media for surrounding materials and type of fire.

ACCIDENTAL RELEASE MEASURES

Personal precautions: Use protective clothing and gloves. Also see p.8

Environmental precautions: -

Methods for cleaning up: -

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Environmental precautions: -

Methods for cleaning up: -

HANDLING AND STORAGE

Handling: Follow generally accepted industrial practice for good hygiene.

Storage: -

EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

Hygiene standards and exposure limits may differ from country to country. Check those currently applying in your country and comply with regulations. Examples of exposure limit applying Sweden are given below:

Compound	Exposure limit	Type of value
Iron	3,5 mg/m ³	NGV (Total)

NGV= Level Limit Value, sanitary limit value for exposure during one working day.

Exposure controls

Preventive action: Good general ventilation is recommended.

Hand protection: Protective gloves, avoid skin contact.

Eye protection: Use safety glasses when tooling.

Skin protection: Use suitable protective clothing.

PHYSICAL AND MECHANICAL PROPERTIES

Form: Solid, metal

Colour: "Copper coated"

Odour: Odourless

Density: ~ 7,9g/cm³

Melting point (approx): ~1,530°C (~2,786°F)

Water solubility: Insoluble

STABILITY AND REACTIVITY

Conditions to avoid: -

Materials to avoid: -

Hazardous decomposition products: -

TOXICOLOGICAL INFORMATION

Inhalation: Dust may cause sensitive persons problem with respiration.

Skin contact: No data available.

Eye contact: Product dust may cause temporary mechanical eye irritation.

Ingestion: Not a normal route of exposure.

ECOLOGICAL INFORMATION

No data available.

DISPOSAL CONSIDERATIONS

Disposal in accordance with all applicable local and national regulations.

TRANSPORT INFORMATION

Road transport (ADR): Not classified as dangerous in the meaning of transport regulations.

REGULATORY INFORMATION

Symbol: -

H-value: -

P-value: -

OTHER INFORMATION

Information in this Safety Data Sheet is based on the form the product is released on the market.

Declaration:

The information given in this safety information sheet is based on the present level of our knowledge and experience. The data sheet describes the products with respect to safety requirements. The data given is not intended as a confirmation of product properties and does not constitute a legal contractual relationship, nor should it be used as the basis for ordering these products.

Revision:

Revised in accordance with CLP regulation. EC 1272/2008.