

XI'AN FUNCTION MATERIAL GROUP CO., LTD

Material Safety Data Sheet Inconel Metal

1. Product and Company Identification

Trade Name: Inconel metal Chemical Formula: NiCrFe

Recommended Use: Scientific research and development

Manufacturer/Supplier: XI'AN FUNCTION MATERIAL GROUP CO., LTD

Street: No. 69, Gazelle Valley, High-Tech Zone

City: XI'AN
State: Shannxi
Zip Code: 710077
Country: China

Tel#: +86-29-88993870/+86-13519132051

2. Hazards Identification

Signal Word: Danger





Hazard Statements: H319 Causes serious eye irritation

H351: Suspected of causing cancer H372: Causes damage to organs through prolonged or repeated

exposure

Precautionary Statements: P260: Do not breathe dust/fume/gas/mist/vapours/spray

P280: Wear protective gloves/protective clothing/eye protection/face

protection

P281: Use personal protective equipment as required P363: Wash contaminated clothing before reuse

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do –

continue rinsing P405: Store locked up

P501: Dispose of contents/container in accordance with

local/regional/national/international regulations

HMIS Health Ratings (0-4):

Health: 0
Flammability: 0
Physical: 0

3. Composition	
Chemical Family:	Alloy
Additional Names:	None
Nickel (Ni):	
Percentage:	0-100 wt%
CAS #:	7440-02-0
EC #:	231-111-4
Chromium (Cr):	
Percentage:	0-100 wt%
CAS #:	7440-47-3
EC #:	231-157-5
Iron (Fe):	
Percentage:	0-100 wt%
CAS #:	7439-89-6
EC #:	231-096-4
	4. First Aid Procedures
General Treatment:	Seek medical attention if symptoms persist.
Special Treatment:	None
Important Symptoms:	None
*1.12	
Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult.
Ingestion:	Seek medical attention if symptoms persist.
Skin:	Generally does not irritate skin. Flush eyes with water, blinking often for several minutes. Remove
Eyes:	contact lenses if present and easy to do. Continue rinsing
-	5. Firefighting Measures
Flammability:	Flammable
Extinguishing Media:	Do not use water for metal fires – use CO ₂ , sand, extinguishing powde
Spec. Fire Fighting Procedure:	Use full-face, self-contained breathing apparatus with full protective
	clothing to prevent contact with skin and eyes. See section 10 for
	decomposition products.
	6. Accidental Release Measures
If Material Is Released/Spilled:	Wear appropriate respiratory and protective equipment specified in
ii Wateriai is Reicascu/Spinicu.	special protection information. Isolate spill area and provide
	ventilation. Vacuum up spill using a high efficiency particulate
	absolute (HEPA) air filter and place in a closed container for disposal.
	Take care not to raise dust.
Environmental Precautions:	Isolate runoff to prevent environmental pollution.
	7. Handling and Storage
Handling Conditions:	
Handling Conditions: Storage Conditions:	Wash thoroughly after handling. Store in a cool dry place in a tightly sealed container. Store apart from
Storage Conditions.	materials and conditions listed in section 10.
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before
orwing grome mannenance.	eating and smoking. Do not blow dust off clothing or skin with
	compressed air.
Ventilation:	Provide sufficient ventilation to maintain concentration at or below
Ventuation.	

8. Exposure Controls and Personal Protection

Permissible Exposure Limits: 1 mg/m³ as Cr metal, long-term value

0.5 mg/m³ as Cr inorganic compound, long-term value

Threshold Limit Value: 0.5 mg/m³ as Cr, long-term value

Special Equipment:NoneRespiratory Protection:NoneProtective Gloves:None

Eye Protection: Safety glasses or goggles

Body Protection: Protective work clothing. Wear close-toed shoes and long

sleeves/pants.

9. Physical and Chemical Characteristics

Color Silver-colored

Form: Granules, Pellets, Sputtering target, Custom parts

Odor:
Water Solubility:
Boiling Point:
N/A
Melting Point:
N/A
Flash Point:
N/A
Autoignition Temperature:
N/A
Density:
Odorless
Insoluble
N/A
N/A
N/A
N/A
N/A
N/A

Molecular weight: N/A g/mol

10. Reactivity

Stability: Stable under recommended storage conditions

Reacts With: Acids, Oxidizing agents

Incompatible Conditions: None

Hazardous Decomposition Products: Metal oxide fume

11. Toxicological Information

Potential Health Effects:

Eyes: Does not cause irritation
Skin: May cause allergic reaction
Ingestion: Does not cause irritation
Inhalation: Does not cause irritation

Chronic: Causes damage to the lung, the kidneys and the liver through prolonged

or repeated exposure. Route of exposure: Inhalative.

Signs & Symptoms: N/A
Aggravated Medical Conditions: N/A

Median Lethal Dose: N/A

Carcinogen: IARC-2B: Possibly carcinogenic to humans: limited evidence in human

in the absence of sufficient evidence in experimental animals. EPA-CBD: Carcinogenic potential cannot be determined.

ACGIH A4: Not classifiable as a human carcinogen: Inadequate data on which to classify the agent in terms of its carcinogenicity in humans

and/or animals.

	12. Ecological Information
Aquatic Toxicity:	Low
Persistent Bioaccumulation Toxicity:	No
Very Persistent, Very Bioaccumul	lative: No
Notes:	N/A
	13. Disposal Considerations
Dispose of in accordance with local, st	tate, national, and international regulations.
	14. Transportation Data
Hazardous:	Not hazardous for transportation.
	Not hazardous for transportation. N/A
Hazard Class:	The state of the s
Hazardous: Hazard Class: Packing Group: UN Number:	N/A N/A N/A
Hazard Class: Packing Group: UN Number:	N/A N/A
Hazard Class: Packing Group:	N/A N/A N/A
Hazard Class: Packing Group: UN Number:	N/A N/A N/A N/A
Hazard Class: Packing Group: UN Number: Proper Shipping Name:	N/A N/A N/A N/A N/A 15. Regulatory Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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