

MSDS: Metal Fastener

1. Product Identification

Product Name:	Metal Fastener
More Information:	ONCOTECH NORDIC AB Vastra Ljungbyvagen 275 26651 Vejbystrand, Sweden. www.ophtascan.ai

2. Hazard Identification

Classification of the substance or mixture	Not classified
Label elements	No label element(s) required
Other hazards	This material, as an article, does not legally require an MSDS

3. Composition

Substance	CAS No.	Content %
Iron	7439-89-6	45-90
Nickel	7440-02-0	0-40
Chromium	7440-47-3	10.5-30
Manganese	7439-96-5	0-15
Molybdenum	7439-98-7	0-5
Copper	7440-50-8	0-5
Silicon	7440-21-3	0-3
Aluminum	7429-90-5	0-1
Cobalt	7440-48-4	0-1
Titanium	7440-32-6	0-1

4. First Aid Measures

Eye Contact	Not likely to present an acute or chronic health effect under normal use.
Skin Contact	Not likely to present an acute or chronic health effect under normal use.
Ingestion	Not likely to present an acute or chronic health effect under normal use.
Inhalation	Not likely to present an acute or chronic health effect under normal use.

5. Firefighting measures

Extinguishing media	Not applicable under normal use.
Special hazards arising from the substance or mixture	Not applicable under normal use.
Protective equipment	Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental precautions	No special environmental precautions required.
Methods and material for containment and cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling	No special handling precautions required.
Storage	Store under normal warehouse conditions.

8. Exposure controls/personal protection

Eye/face protection	Not required under normal conditions of use.
Skin protection	Not required under normal conditions of use.
Body Protection	Not required under normal conditions of use.
Respiratory protection	Not required under normal conditions of use.
Control of environmental exposure	No special environmental precautions required.

9. Physical and Chemical Properties

Physical State	Solid
Colour	Black
Odour threshold	Odorless
Melting point	1500°C
Freezing point	Not applicable
Boiling point	Not applicable
Flammability	Non flammable
Explosive limits	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
pH	Not applicable
Viscosity, kinematic	Not applicable
Solubility	Water: Insoluble
Organic solvent	Not applicable
Vapor pressure	Not applicable
Density	7.6-7.8g/cm ³
Relative density	Not available
Relative vapor density at 20°C	Not available
Particle size	Not available
Particle size distribution	Not available

10. Stability and Reactivity

Thermal decomposition to be avoided:	No decomposition if used and stored according to specifications.
Materials to be avoided:	Oxidizing agent.
Dangerous reactions:	Carbon dioxide, carbon monoxide, oxides of nitrogen, other organic compounds. Thermal oxidative decomposition of galvanized steel products.

11. Toxicological Information

Acute toxicity	LD50 Oral and LD50 Dermal and LC50: Not applicable to this form of product
Oral	None applicable
Dermal	None applicable
Inhalation	None applicable
Skin Corrosion/ Irritation	None applicable
SeriousEyeDamage/Irritation	None applicable
Respiratory sensitization	None applicable
Skin Sensitization	None applicable
Carcinogenicity	None applicable
Mutagenicity	None applicable
Reproductive toxicity	None applicable
Specific target organ toxicity (single exposure)	None applicable
Specific target organ toxicity (repeat exposure)	None applicable
Aspiration Hazard	None applicable

12. Environmental Information

Acute toxicity	No data available - No toxic effects per current level of knowledge
Chronic toxicity	No data available - No toxic effects per current level of knowledge
Persistence and degradability	No data available - No toxic effects per current level of knowledge
Bioaccumulative potential	No data available - No toxic effects per current level of knowledge
Mobility in soil	No data available - No toxic effects per current level of knowledge
Results of PBT and vPvB assessment	No data available - No toxic effects per current level of knowledge
Endocrine disrupting properties	No data available - No toxic effects per current level of knowledge
Other adverse effects	No data available - No toxic effects per current level of knowledge

13. Disposal Considerations

Regional waste regulation	Dispose of in accordance with relevant local regulations.
Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

14. Transport Information

In accordance with ADR / IMDG / IATA / ADN / RID	ADR	IMDG	IATA	ADN	RID
UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Transport hazard class(es)	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Packing group	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

15. Regulatory information

EU-Regulations	Classification according EC Directive on Dangerous Product Regulations: None
National regulations	No additional information available
Chemical safety assessment	Not required No chemical safety assessment has been carried out

16. Disclaimer

To the best of our knowledge the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy or completeness of such information. We strongly recommend that users seek and adhere to the manufacturer's or supplier's current instructions for handling each material they use and satisfy themselves that they can meet all applicable safety and health standards. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.