

SAFETY DATA SHEET

according to Regulation (EC) No 1272/2008

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: InnoMetal Iron

Other names: -

MSDS name: EN_InnoMetal_MSDS_Iron

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Application of the substance / the mixture

Additional component

1.2.2. Applications advised against

No further relevant information available.

1.3. Details of the supplier of the safety data sheet

InnoMetal GmbH

Einsteinstr. 12

D-33104 Paderborn

Fon: +49 (0)221 9582011

info@lnnometal.de

1.4. Emergency telephone number

Monday – Friday, 9:00 am - 4:00 pm

+49 (0)221 958 2011

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

The substance is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Not applicable.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms: Void

Signal word: Void

Hazard-determining components of labelling: Void

Hazard statements: Void

2.3. Other hazards

Inhalation of dust or fumes leads to irritation of respiratory system. Inhalation of higher concentrations may cause metal fume fever.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients
3.2. Substance

Components:

CAS	EINECS	Chemical name	from %	till %	Index Number
7439-89-6	231-096-4	Iron		100	-

Labelling (CLP):

CAS	EINECS	Chemical name	Hazard pictograms	Signal word	Hazard statements
7439-89-6	231-096-4	Iron	-	-	-

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: No special measures required.

Take affected persons out of danger area and lay down.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

If symptoms persist consult doctor.

After swallowing: If symptoms persist consult doctor.

4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents:

Special powder for metal fires.

For safety reasons unsuitable extinguishing agents:

Carbon dioxide

5.2. Special hazards arising from the substance or mixture

Dust can combine with air to form an explosive mixture.

5.3. Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

Do not inhale dust / smoke / mist.

6.2. Environmental precautions

No special measures required.

6.3. Methods and material for containment and cleaning up

Pick up mechanically.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Provide suction extractors if dust is formed. Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.

Information about fire and explosion protection: No special requirements.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store in cool, dry place in tightly closed receptacles.

Further information about storage conditions: -

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

8.2. Exposure controls

Respiratory protection: Suitable respiratory protective device recommended.

Protection of hands: Preventive skin protection by use of skin-protecting agents is recommended.



Protective gloves

Eye protection: Goggles recommended during refilling.

Body protection: Protective work clothing.

General protective and hygienic measures: Do not eat, drink, smoke or sniff while working. Wash hands before breaks and at the end of work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form: Powder

Colour: grey coloured

Odour: Odourless

PH-value: Not applicable

Change in condition

Melting point/Melting range: 1535 °C

Boiling point/Boiling range: 2750 °C

Flash point: Not applicable.

Flammability (solid, gaseous): Not flammable.

Ignition temperature: Not determined
Decomposition temperature: Not applicable
Self-igniting: Product is not self-igniting.
Danger of explosion: Dust can combine with air to form an explosive mixture.
Explosion limits:
Lower: Not determined
Upper: Not determined
Vapour pressure: Not applicable
Density at 20 °C: 7.9 g/cm³
Bulk density: 1.0 – 4.0 g/cm³
Evaporation rate: Not applicable
Solubility in / Miscibility with water: Insoluble.
Partition coefficient (n-Octanol/water): Not applicable
Viscosity: Not applicable.

9.2. Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

No decomposition if used and stored according to specifications.

10.3. Possibility of hazardous reactions

Reacts with acids, alkalis and oxidizing agents.

Risk of dust explosion.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: The substance is not subject to classification according to the latest version of the EU lists.

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity: No further relevant information available.

Terrestrial toxicity: No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bio-accumulative potential

General notes: Do not allow product to reach ground water, water course or sewage system.

Generally not hazardous for water.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendation:

Contact manufacturer for recycling information.

European waste catalogue:

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste Codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1. UN number

ADR, IMDG, IATA: -

14.2. UN proper shipping name

ADR: -

IMDG, IATA: -

14.3. Transport hazard class(es)

ADR: -

Class: -

Label: -

IMDG, IATA: -

Class: -

14.4. Packing group

ADR, IMDG, IATA: -

14.5. Environmental hazards

Marine pollutant: No.

14.6. Special precautions for user

Warning: -

Danger code (Kemler): -

EMS number: -

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations:

Water hazard class: Generally not hazardous for water.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

16.1. Wording of P und H phrases

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16.2. Further information

The information provided in this material safety data sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This information shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.