



LIQUID METAL FX

IRON Powder SDS Issue date 11/24/20. Revision date 02/03/23

SAFETY DATA SHEET

Section 1: Identification

Product Name: Bronze -325 Mesh

Company: Cadoro Plaster Inc. #311 15252 32 Ave. Surrey, British Columbia, Canada V3Z 0R7

For information about this SDS, use this department contact phone#: 1-888-610-3018



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Section 2: Hazard(s) Identification

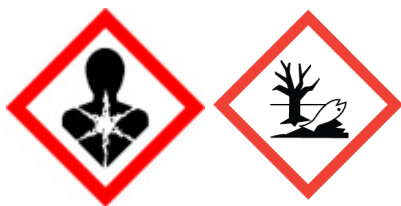
The product is not classified as dangerous according to Directive 1999/45/EEC.

Most important risks Moderate explosion hazard in form of dust when exposed to potential ignition sources.

Hazard Classification: The classification is based on the criteria in the UN Globally Harmonized System of Labeling of Chemicals.

Hazard Statements: May cause respiratory irritation - May cause serious eye irritation

Pictograms:



Precautionary Statements: Use only outdoors or in well ventilated area - Avoid breathing dust - Wear protective gloves/clothing/eye and face protection - Wash hands thoroughly after handling



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Section 3: Composition/ Information on Ingredients

Chemical Name	Percentage	CAS#	EC number
Iron	97-100%	7439-89-6	231-096-4

Section 4: First-Aid Measures

After skin contact: Remove contaminated clothing and wash with soap and water.

After eye contact: Rinse with plenty of lukewarm water

After inhalation: If symptoms appear, seek medical advice.

After swallowing: If symptoms appear, seek medical advice.

Medical Notes: At overdose of metal powder by ingestion: Make a gastric lavage if ingestion occurred in the last 1-3 hours.

Section 5: Fire-Fighting Measures

EXTINGUISHING MEDIA: To be selected taking into consideration fires in the vicinity, e.g. water mist, foam, carbon dioxide, powder.

NOT SUITABLE EXTINGUISHING PROCEDURES: Foam with substances harmful to the environment, such as perfluoro-octanesulfonic acid (PFOS) and nononylethoxylate [sic].

SPECIAL EXPOSURE HAZARDS: This product is flammable. Finely pulverized substance



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suspended in air can cause dust explosion and the fine particle size (<45 microns) of this product makes this risk

Section 6: Accidental Release Measures

Personal precautions: Spilled material may produce dust hazard if not handled correctly. Wear appropriate personal protective equipment: coveralls, gloves & eye protection.

Measures for environmental protection: Spillage should be cleaned up with broom and shovel taking care to minimize dust generation and elimination ignition sources.

Measures for cleaning/collecting: Place in a suitable container for recycling or disposal in accordance with local, state, and/or federal regulations.

NON SUITABLE METHODS FOIR CLEAN UP: The use of vacuum equipment is not recommended since it may cause a static charge that could ignite the fine powder and cause a dust explosion.

Section 7: Handling and Storage

Handling: Only use in a well-ventilated area and prevent the creation of dusts. If concentrations exceeds the occupational exposure limits, use suitable respiratory protection.



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Storage: Store in a cool, dry well-ventilated place. Keep away from food, drink, and animal feeding stuffs.

Section 8: Exposure Controls/Personal Protection

Exposure limit values

Dust inorganic Inhalable 15 mg/m³ TLV Respirable 5 mg/m³ TLV

Exposure Controls Normally not needed. If occupational exposure limit value is suspected to be reached or dust levels are high exposure measurement is recommended.

Occupational exposure controls Normal ventilation. Use local exhaust ventilation if the dust-concentration is high.

Respiratory protection Half mask with particle filter P2 shall be worn if exposure limit value is suspected to be exceeded or the dust is perceived disturbing.

Hand protection In case of long-term handling butyl- or nitrile gloves can be used. Breakthrough time is not known.

Eye protection Is normally not needed.

Skin protection Normal work suit.

Environmental exposure controls Dust from the exhaust ventilation should be separated out in order to avoid release to the natural environment.



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Section 9: Physical and Chemical Properties

IRON

Form: Light grey to grey, fine-grained metal powder.

Odor: none

Partical Size: >95% -45 um

Odor threshold: NA

pH: NA

Melting point/melting range: 1535°C

Boiling point/boiling range: -----

Flash point: NA

Evaporation rate: NA

Flammability: NA

Upper/lower flammability or explosive limits: NA

Auto ignition temperature: NA

Explosive Properties: Kst (bar*m/s)= 18 Ex cl.= 1 MIE dc (mJ)= 50-100

Vapor pressure: NA



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Vapor density: NA

Relative density: 1,7-2,3 g/cm³

Solubility in/Miscibility with water: Insoluble

Section 10: Stability and Reactivity

STABILITY: Stable at normal handling and storage conditions.

Conditions and materials to avoid: Dust Formation

HAZARDOUS DECOMPOSITION PRODUCTS: no

HAZARDOUS POLYMERIZATION: Will Not Occur.



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Section 11: Toxicological Information

SIGNS, SYMPTOMS AND EFFECT OF OVER EXPOSURE:

EYES: Eye-irritation at direct contact, otherwise no harmful effects are known at normal industrial handling.

INGESTION: Ingestion may cause indisposition and vomiting.

INHALATION: Inhalation of dust may irritate the respiratory tract, but not enough to be classified as irritating to respiratory system.

ACUTE HEALTH EFFECTS:

This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.



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Section 12: Ecological Information (non-mandatory)

Acute tox. water living organisms No data available.

Chronical effects No data available.

Mobility ----

Persistence and degradability Not applicable

Bioaccumulative potential BFC: 140000 (Prevent)

Results of PBT assessment Not applicable

Section 13: Disposal Considerations (non-mandatory)

Classified as hazardous waste The product is not classified as hazardous waste according to directive 2008/98/EC. The packaging is taken care of Suit. meth. for waste treatment According to directive 94/62/EC on packaging and packaging waste, carefully emptied packaging can be incinerated. Dispose in safe manner in accordance with local regulations.

Section 14: Transport Information (non-mandatory)

US DOT
DOT regulations: Hazardous Class: None

Not a hazardous material for transportation.



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Section 15: Regulatory Information (non-mandatory)

Hazard Label
R-phrases
S-phrases
Specific markings
Specific limitations
Specific Regulatory Information

Section 16: Other Information

Keep out of reach of children. Read and follow all label instructions. This information is based on our present knowledge however, this not a guarantee of specific product features. It is the user's responsibility to satisfy themselves as to the suitability and completeness of this information for their own particular use.

This Safety Data Sheet has been established in accordance with Directive nr 1907/2006/EC.

Classification references: Directive 67/548/EEC and Directive 99/45/EEC.

SDS date of preparation : 11/24/20 **update :** Revision date 02/03/23