



IDEAL WORK

PUROMETALLO-FERRO

Revision nr. 1

Dated 28.09./2018

Printed on February 25, 2019

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Safety Data Sheet

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

1.1. Product identifier

Code: PUROMETALLO-FERRO
Product name

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

Intended use CHARGING FOR DECORATIVE COVERINGS

1.3 Details of the supplier of the safety data sheet

Company name IDEAL WORK SRL
Address Via Kennedy, 52
Place and country 31030 Vallà di Riese Pio X (TV)
Italy
tel. +39 0423 /4535
fax +39 0423 /748429

e-mail address for a competent person,
responsible for the safety data sheet

sicurezza@idealwork.it

1.4 Emergency telephone number

For information in an emergency

Poison center:
National Poisons Information Service (Birmingham
Unit) City Hospital
Dudley Rd Birmingham
Telephone: +44 121 507 4123
Fax: +44 121 507 55 88
Emergency telephone: 844 892 0111

SECTION 2. Hazards identification.

2.1 SYMBOL AND HAZARD IDENTIFICATION: not foreseen

2.2 Exposure by inhalation of fine powders in large quantities, may produce symptoms called metal fume fever which last 24/48 hours.

2.3 Other hazards: it can form an explosive mixture of dust and air in case of dispersion

SECTION 3. Composition/information on ingredients.

3.1 IRON Powders: Fe = 98.5 % min

3.2 RISK PHRASES not foreseen

3.3 SAFETY PHRASES not foreseen

3.4 C.A.S. No. 7439-89-6
EINECS / ELINCS No. 231-096-4
INDEX No. ---

NUMERO DI REGISTRAZIONE REACH DEL FERRO:

01-2119462838-24-0000

SECTION 4. First aid measures.

4.1 CONTACT WITH EYES: Wash thoroughly with water for a long time. Consult your doctor if necessary

4.2 INGESTION: Normally it is not considered dangerous. Wash your mouth thoroughly with water. In case of persistent symptoms consult a doctor.

4.3 SKIN CONTACT: Wash thoroughly with soap and water. In case of irritation, consult a doctor.

4.4 INHALATION: Move exposed person immediately to fresh air. Perform artificial respiration if necessary. Consult a doctor as soon as possible.



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SECTION 5. Firefighting measures.

5.1 EXTINGUISHING MEANS:

Avoid using high pressure media which could cause the formation of a potentially explosive dust-air mixture.

5.2 SUSCEPTIBLE TO SPONTANEOUS COMBUSTION: NO

5.3 RECOMMENDED EXTINGUISHING MEASURES: Dry powder extinguishers class D, dry sand.

5.4 PROTECTIVE EQUIPMENT: Wear

self-protector and adequate personal protective equipment (suit, shoes, helmet, gloves, glasses)

SECTION 6. Accidental release measures.

6.1 PRECAUTIONS FOR PERSONS: Prevent skin and eye contact by wearing personal protective equipment from point 8.2

6.2 ENVIRONMENTAL PRECAUTIONS: Keep the product away from drains, surface and ground water and from the ground.

6.3 RECOVERY METHOD: Do not use compressed air. Collect the product with a scoop in recycling containers.

SECTION 7. Handling and storage.

7.1 STANDARDS FOR STORAGE:

Environment covered, dry and naturally ventilated. Avoid depositing the material on the floor.

Do not overlap more than 3 platforms

(for products packed in bags).

Do not overlap more than 1 platform (for products packed in big-bags)

7.2 RULES FOR CONSERVATION:

Keep the product closed in its original packaging

7.3 PRECAUTIONS FOR SAFE HANDLING:

Particular attention must be paid during handling in processes and / or installations that lead to the formation of extremely flammable dust clouds in the presence of primers.

SECTION 8. Exposure controls/personal protection.

8.1 EXPOSURE LIMIT VALUES

Fe: TLV - TWA (ACGIH): 10 mg / m³ (inhalable particles); 3 mg / m³ (respirable particles);

AIR: The environment must have sufficient air changes to keep the concentration below the limits.

8.2 CONTROL OF EXPOSURE AT WORK

RESPIRATORY PROTECTION: mask FFP2 (S)

HAND PROTECTION:

leather gloves according to EN 388

EYE PROTECTION: safety glasses

PERSONAL HYGIENE: do not smoke, eat and drink while working

SECTION 9. Physical and chemical properties.

PHYSICAL STATE

FORM

COLOR

APPARENT DENSITY (g/cm³)

SPECIFIC WEIGHT [g/cm³ a 20 °C]

FUSION TEMPERATURE [° C]

EXPLOSIVE PROPERTIES

IGNITION TEMPERATURE IN THE AIR (° c)

REACTION TEMPERATURE IN N₂ (°

solid

powder

metal

2.0 - 4.0

7.87

1530

290 in layer – 320 in cloud

200 in layer



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MINIMUM CONCENTRATION OF EXPLOSION IN
THE AIR g/m³ 120
SPONTANEOUS INFLAMMABILITY NO
SOLUBILITY IN WATER NO

SECTION 10. Stability and reactivity.

10.1 STABILITY TO NORMAL CONDITIONS: stable

10.2 POSSIBILITY OF DECOMPOSITION: IN WATER: NO
IN ACIDS YES
Flammable gas may develop in contact with acids.

10.3 MATERIALS TO AVOID: Halides, halogenates, concentrated strong acids, alkaline oxides.

SECTION 11. Toxicological information.

11.1 TOXICITY BY TYPE OF DIFFERENT EXPOSURE:

- Inhalation n.d. (*)
- INGESTION n.d. (*)
- SKIN CONTACT n.d. (*)
- CONTACT WITH EYES n.d. (*)

SECTION 12. Ecological information.

12.1 ECOTOXICITY n.d. (*)
MOBILITY n.d. (*)
PERSISTENCE AND DEGRADABILITY n.d. (*)
POTENTIAL OF BIOACCUMULATION n.d. (*)

SECTION 13. Disposal considerations.

Disposal procedures in compliance with regulation 2014/1357 / EU (which replaces Annex III of Directive 2008/98 / EU) and Decision 2014/955 / EU. amending Commission Decision 2000/532 / EC on the waste list pursuant to Directive 2008/98 / EC of the European Parliament and of the Council.

SECTION 14. Transport information.

RID - ADR - IMDG - IATA / ICAO
Product not classified as dangerous

SECTION 15. Regulatory information.

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

The substance is NOT subject to:

- Regulation (CE) n. 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer;
- Regulation (CE) n. 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants;
- Regulation (CE) n. 689/2008 of the European Parliament and of the Council of 17 June 2008 on the export and import of substances dangerous chemicals.

Chemical safety assessment: Yes, it was conducted.

SECTION 16. Other information.

SAFETY DATA SHEET BASED ON:

- EC Regulation n. 1907/2006 (REACH) and subsequent amendments and additions
- EC Regulation n. 1272/2008 (CLP) and subsequent amendments and additions
- EU Regulation n. 830/2015

16.1 LIST OF RISK AND SAFETY PHRASES: not provided

16.2 RECOMMENDATIONS ON PERSONNEL TRAINING:
carry out training on the risk of explosion of very fine metal powders.



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16.3 MEANING OF THE SIGLA «n.d. »(POINTS 11 AND 12):

at the current state of the art specific experimentations and / or data publications have not been implemented.

16.4 This toxicological sheet refers only to the specific material indicated; it does not refer to the use combined with other material or in process. The information provided is provided without compensation and intended to be used by persons with technical capabilities and under their discretion and risk. Because the conditions of use are beyond our control; we make no warranty, express or implied, and assume no responsibility for the use of this information. Nothing should be taken in the present as a license to operate outside the recommendations or regulations.