
1. Product identification

Product name	HEMATEIN
Supplier	S.C. RAOUL-DUVAL & Cie 7, place Léon-Meyer, B.P. 1414 F-76067 Le Havre Cedex, France Tél 02 35 19 66 20 Fax 02 35 21 55 08
Emergency tel number	+33.2 35 19 66 20

2. Product composition

Common chemical name	Hématéin
CAS No.	475-25-2
Color Index	75 290
Dangerous components	none

3. Hazard identification

In normal usage conditions, the product is stable.

As all dye-stuffs, the product cannot be discarded in water without an appropriate treatment.

4. First aid measures

Contact with the skin	Wash with a diluted hypochlorite solution and soapy water
Contact with the eyes	Wash thoroughly with water
Ingestion	Drink big quantities of liquid

5. Fire precautions / Fire fighting

All types of fire extinguishers can be used. As a natural dye-stuff, it is preferable not to use fire hoses, which would produce colourful water which would have to be treated before discarding.

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6. ACCIDENTAL RELEASE

Specific precautions	None
Environment protection	The product is a dye-stuff, it cannot be discarded in water without treatment
Protection and Cleaning	Sweep up, wash residue with water and mix residue with sawdust. Dispose of according to local regulations or incinerate.
Neutralisation	In aqueous solution, the product precipitates the metallic salts and specially alumine sulphate.

7. HANDLING & STORAGE

Handling	Wear respiratory masks to avoid respiring dusts or absorbing by inhalation. Remove contaminated clothing and wash them before re-use.
Storage	Keep away from air, humidity and from Ignition sources.

8. PERSONAL PROTECTION

Handling	Wear personal protective equipment and respiratory masks
Hands	Rubber or PVC gloves can be advised

Follow good hygiene conditions and wear personal protective equipment.

9. PHYSICAL & CHEMICAL PROPERTIES

Aspect (colour)	brownish red
Physical aspect	powder
Odour	none
Boiling temperature	non applicable
Melting point	140°C
Flash point	non applicable
Vapor density	non applicable

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Apparent density	0,4 g/cm ³ +- 0,1
Solubility	insoluble in water Soluble in alkalines

10. STABILITY & REACTIVITY

Under normal use conditions, this product is stable. It precipitates in presence of metallic salts and oxydants

11. TOXICOLOGICAL INFORMATION

No disastrous effect, no sensitization to this product have been reported until today.

As every pulverulent product the powder may provoke respiratory problems by inhalation. As astringent product, it may cause respiratory and irritation problems on skin and eyes. But the product isn't toxic.

12. ECOLOGICAL INFORMATION

Data isn't available on the possibility of effects on the environment. As a natural dye-stuff, the product isn't toxic. It shouldn't be disposed of through waste waters. It can only precipitate under the influence of metallic salts.

13. WASTE DISPOSAL

Dispose of according to local regulations.

The product is eliminated of aqueous solutions by precipitation under the form of muds with metallic salts.

Elimination of residue and packing by incineration.

14. TRANSPORT INFORMATION

The product is submitted to no particular legislation.

15. REGULATORY INFORMATION

Health & Safety Regs.

EC Directives 76-464, 78-318, 80-68, 91-156
EC Directive 93-18 of 5th April 1993

Official French Gazette of 28th March 1993, Decree of 1th October 93 relative to sampling and water consumption as well as to disposals of any type, and especially,

Chapter VI	Art. 60	water pollution
Chapter VII	Art. 61	environmental evaluation
Chapter VIII	Art. 63/64/65	control of effects on environment

16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not, therefore, be construed as guaranteeing specific properties.

The user could take a risk if the product is used for other purposes and in other ways than intended by SCRD.

The user of this product is compelled to know and apply the legislation governing his activity and his country. The necessary precautions to be observed in using this product are the user's sole responsibility.
