

SAFETY DATA SHEET

(Conforms to EEC directive 93/112/)

1 PRODUCT AND COMPANY IDENTIFICATION

Trade name	BREXIL Mn
Manufactured by	VALAGRO S.p.A Zona Ind.le PIAZZANO DI ATESSA (CHIETI) Tel. ++/39 872-8811 Fax ++/39 872-897416

2-COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	Manganese Ligninosulphonic. For use in agriculture.
Lignosulphonic Acid	CAS N°8062-15-5
Manganese Oxide	CAS N°1344-43-0
Symbol	N/A
Risk statement	N/A
Safety statement	N/A

3- HAZARD DATA

This product is not classified as a dangerous substance according to EEC directives on hazardous substances and products.

4-FIRST AID

Contact with skin	Wash off immediately with soap and water. Wash contaminated clothing before re-using.
Contact with eyes	Flush with copious amounts of water for at least 15 min. Hold eyelids away from eyeballs while flushing, making sure to rinse away all residue. Seek medical care if irritation develops.
Inhalation	Dust may be irritating to the respiratory tract.
Ingestion	Rinse mouth with cool water, make victim drink water. Do not induce vomiting.

5- FIRE HAZARD DATA

-Extinguishing media

Water spray, foam, CO₂

-Hazardous decomposition or combustion products

In case of fire or explosion, do not breathe fumes.

May produce toxic fumes (SO_x).

6-PROCEDURES FOR LEAKS AND/OR SPILLS

Personal precautions

Use rubber gloves, safety goggles, and dust mask.

Environmental precautions

Collect as much spilled material as possible and place in a clean container for re-use or waste disposal.

Cleaning method

Wash away residue with water.

7-HANDLING AND STORAGE

Handling	Follow the usual rules for hygiene, do not eat or drink in the vicinity. Avoid contact with eyes and skin. Wear personal protection equipment.
Fire prevention	No specific recommendations
Storage precautions	Store product in its original packaging in a dry, well ventilated place, away from sunlight and substances constituting a fire hazard. This product is hygroscopic.

8-EXPOSURE LIMITS/PERSONAL PROTECTION PRECAUTIONS

Technical precautions	No specific recommendations
Exposure limits	
Personal protection	
<i>Respiratory</i>	Wear dust mask if dust is being raised.
<i>Skin</i>	Observe all precautionary measures regarding handling of chemical substances.
<i>Eyes</i>	Protect eyes/face.
<i>Hands</i>	Use appropriate gloves.

9-CHEMICAL AND PHYSICAL DATA

Appearance	microgranules (25°C)
Color	light brown
Odor	slight typical
Boiling point	n/a
Melting point	Breaks down without melting.
Flashpoint	n/a
Inflammability	n/a
Self ignition point	n/a
Explosive properties	n/a
Explosion limit	n/a
Oxidation properties	n/a
Vapor pressure	n/a
Density	n/a
Apparent density	600 Kg/mc
Water solubility	40 (g/100cc)
pH	3.3(1% in water)
Octanol/water coefficient	not determined
Relative vapor density	n/a
Viscosity	n/a

10 REACTIVITY AND STABILITY

Stability	Stable under the recommended storage and handling conditions.
Conditions to avoid	Presence of strong oxidants.
Materials to avoid	None known.
Hazardous reactions	No hazardous reactions known.
Decomposition products	Toxic fumes may develop.

11-TOXICOLOGICAL DATA

In accordance with the ministerial decree emitted on 28/01/92 on the "CLASSIFICATION AND REGULATION OF PACKAGING AND LABELLING OF HAZARDOUS PRODUCTS FOR THE ENACTMENT OF THE DECREES OF THE COUNCIL AND COMMISSION OF THE EUROPEAN COMMUNITY" :

This product is not considered toxic, irritating or corrosive.

12- ECOLOGICAL INFORMATION

Use in accordance with good working practices and dispose of properly.

13- WASTE DISPOSAL

Product Dispose of according to local regulations.

Deteriorated packaging No specific recommendations.

14-TRANSPORTATION INFORMATION

Ground transportation

ADR Class not restricted **ADR article N°--**

RID Class not restricted **RID N°:** N/A

Hazard ID N° None **Substance ID N°** None

TREM File N/A **UN N°**

Correct shipping denomination N/A

National regulations

Other information

Sea transportation

IMO/IMDG Code not restricted **Class** not restricted

Packaging group none **UN N°** none

EMS N/A **MFAG** N/A

Correct shipping denomination N/A

Air transportation

IATA/ICAO-DGR

UN N°

Class

Packaging group

15-REGULATORY INFORMATION

Hazard indication --

Symbol --

Type of risks --

Safety warning --

Applicable legislative references

D.P.R 547/55 AND 626/94

D.P.R. 303/56

Law 319/92

D.L. 133/92

16-OTHER INFORMATION

This data sheet is a supplement to the technical data sheet. The information provided is based on the state of our knowledge to date with regards to this product. This information is given in good faith, although without warranty. It is the user's responsibility to verify these data under their own operating conditions to determine whether the product is suitable for their particular purposes.

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