

Edition: **FEBRUARY 2010**

Material Safety Data Sheet for **QUIX TOTAL**

1	Product and Company identification	
1.2	Product identification	Liquid fertilizer
1.3	Company identification	Puccioni S.p.A.
1.3	Emergency contact phone	+39 0873 3121
	Mail to	info@puccioni.it
2	Hazard identification	None
3	Composition/information on ingredients	Copper, iron, manganese and zinc complexed with ligninpolycarbosilic acid + boron and molybdenum, not containing hazardous ingredients.
4	First aid measures	
4.1	Inhalation	No hazards in normal industrial use. If necessary, remove to fresh air.
4.2	Ingestion	Drink water.
4.3	Skin contact	Wash skin with soap and water.
4.4	Eyes contact	Flush eyes with water.
5	Fire fighting measures	Product is not oxidizing agent and non-flammable substance. Anyway, if involved in fire, material could release ammonia or SOx.
6	Accidental release measures	No special measures required.
7	Handling and storage	
7.1	Handling	No special measures required.
7.2	Storage	Store in dry conditions.
8	Exposure controls/personal protection	<ul style="list-style-type: none"> • Respiratory protection: not normally required. If necessary, wear approved safety respirators. • Hand protection: wear gloves. • Skin protection: wear long-sleeve shirts and long pants. • Eye protection: safety goggles. • Others protective equipment: not required.

9 Physical and chemical properties

Appearance	Dark brown liquid
Odour	None
pH	6,3
Boiling point	100-110 °C
Crystallization temp.	- 5°C
Flammability	Non-flammable
Auto flammability	Non-auto flammable
Explosive properties	Non-explosive
Oxidizing properties	Non-oxidizing
Vapour pressure	Not applicable
Bulk density	ca 1,26 g/cm ³
Solubility in water	Soluble
Solubility in fat	Not applicable
Others data	None

10 Stability and reactivity

10.1	Conditions to avoid	None
10.2	Hazardous decomposition products	If involved in fire, material could release ammonia and/or SOx.

11 Toxicological information

Non-toxic

12 Ecological information

12.1	Persistence and degradability	Insignificant
12.2	Bioaccumulation potential	None

13 Disposal consideration

None

14 Transportation information

None

15 Regulatory information

Reg. 1907/2006, Reg. 1272/2008, Reg. 790/2009

16 Other information

16.1	Training	Not necessary
16.2	Limitation of use	None
16.3	References to the technical contact center	Puccioni SpA via Osca, 89 - 66054 Vasto (CH)
16.4	Bibliographic sources	None