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## Material Safety Data Sheet for FLEXIL LQ

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	Liquid NPK fertilizer, not containing hazardous ingredients.
4	First aid measures	
4.1	Inhalation	No hazards in normal industrials 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.
б	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> <li>Respiratory protection: not normally required. If necessary, wear approved safety respirators.</li> </ul>
		Hand protection: wear gloves.
		Skin protection: wear long-sleeve shirts and long pants.
		Eye protection: safety goggles.
		<ul> <li>Others protective equipment: not required.</li> </ul>



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9     Physical and chemical properties       Appearance     Green liquid       Odour     None       pH     7.8       Boiling point     100-110 °C       Cystallization temp     -5 °C       Flammability     Non-flammable       Auto flammability     Non-stammable       Auto flammability     Non-explosive       Oxidizing properties     Non-explosive       Solubility in water     Soluble       Solubility in fat     Not applicable       Others data     None       10.2     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     None       12.1     Persistence and degradability     Insignificant       12.2     Bioaccumulation potential     None       13     Disposal consideration     Reg. 1907/2006, Reg. 1272/2008, Reg. 790/2009 <tr< th=""><th></th><th></th><th></th></tr<>			
Odur     None       pH     7.8       Boiling point     100-110 °C       Crystalization temp     -5 °C.       Hammability     Non-auto flammable       Auto flammability     Non-auto flammable       Auto flammability     Non-auto flammable       Crystalization temp     -5 °C.       Flammability     Non-auto flammable       Auto flammability     Non-auto flammable       Auto flammability     Non-auto flammable       Crystalization temp     -5 °C.       Flammability     Non-auto flammable       Auto flammability     Non-auto flammable       Crystalization temp     -5 °C.       Flammability     Non-auto flammable       Crystalization temp     -5 °C.       Balk chesity     1.2 g/cm* around       Solubility in water     Solubile       Solubility in water     Solubile       Solubility in fat     Not applicable       Others data     None       10.2     Hazardous decomposition products     If involved in fire, material could release ammonia and/or SOx.       11     Toxicological information     None       12.1     Persistence and degradability     Insignificant       12.2     Bioaccumulation potential     None       13     Disposal consideration     None	9	Physical and chemical properties	
pH     7.8       Boiling point     100-110 °C       Crystallization temp     -5 °C.       Flammability     Non-Patro flammable       Auto flammability     Non-auto flammable       Explosive properties     Non-avor flammabile       Oxidizing properties     Non-avor flammabile       Oxidizing properties     Non-avor flammabile       Bulk density     1.2 g/cm² around       Solubility in water     Solubile       Solubility in in water     Solubile       Solubility in fat     None       10     Stability and reactivity       11.     Conditions to avoid     None       12.     Hazardous decomposition products     If involved in fire, material could release ammonia and/or SOx.       12.     Ecological information     Non-toxic       12.     Ecological information     None       13.     Disposal consideration     None       14.     Transportation information     Reg. 1907/2006, Reg. 1272/2008, Reg. 790/2009       16.     Date information     Reg. 1907/2006, Reg. 1272/2008, Reg. 790/2009       16.     Training     Not necessary       16.1     Training     None       16.2     Imitation of use     None       16.3     References to the technical contact center     Puccioni SpA via Osca, 89 - 66054 Vasto		Appearance	Green liquid
ining point     100-110 °C       Crystallization temp     -5 °C.       Flammability     Non-flammable       Auto flammability     Non-auto flammable       Explosive properties     Non-explosive       Oxidizing properties     Non-explosive       Bulk density     1.2 g/cm³ around       Solubility in water     Soluble       Solubility in fat     Not applicable       Otters data     None       10.     Conditions to avoid       None     Non-toxic       11.     Toxicological information       12.     Ecological information       13.     Disposal consideration       14.     Transportation information       15.     Regulatory information       16.1     Training       17.1     Training       18.1     None		Odour	None
Crystalization 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       1.2 g/cm³ around         Solubility in water       Soluble         Solubility in fat       None         Others data       None         10.       Conditions to avoid       None         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       None         13.       Disposal consideration       None         14.       Transportation information       Reg. 1907/2006, Reg. 1272/2008, Reg. 790/2009         16.       Training       Not necessary         16.1       Training       None         16.2       Limitation of use       None         16.3       References to the technical contact center       Puccioni SpA via Osca, 89 - 66054 Vasto (CH)		рН	7.8
Ammability       Non-fammabile         Auto flammability       Non-auto flammabile         Explosive properties       Non-explosive         Oxidizing properties       Non-extidizing         Bulk density       1.2 g/cm <sup>3</sup> around         Solubility in vater       Solubility in vater         Solubility in fat       None         Other s data       None         10.       Stability and reactivity         10.1       Conditions to avoid       None         10.2       Hazardous decomposition products       If involved in fire, material could release animonia and/or SOx.         11       Toxicological information       None         12.1       Persistence and degradability       Insignificant         12.2       Bioaccumulation potential       None         13       Disposal consideration       None         14       Transportation information       Reg. 1907/2006, Reg. 1272/2008, Reg. 790/2009         16       Other information       None         17       Training       Not necessary         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)		Boiling point	100-110 °C
Auto flammability     Non-auto flammable       Explosive properties     Non-explosive       Oxidizing properties     Non-explosive       Oxidizing properties     Non-oxidizing       Vapour pressure     Not applicable       Bulk density     1.2 g/cm <sup>3</sup> around       Solubility in water     Solubile       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 anmonia and/or S0x.       11     Toxicological information     None       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     None       17     Transportation information     None       18     Disposal consideration     None       19     Initiation of use     None       10.1     Training     Not necessary       10.2     Limitation of use     None </th <th></th> <th>Crystallization temp</th> <th>- 5 °C.</th>		Crystallization temp	- 5 °C.
Explosive properties       Non-explosive         Oxidizing properties       Non-oxidizing         Vapour pressure       Not applicable         Bulk density       1.2 g/cm³ around         Solubility in water       Soluble         Solubility in fat       Not applicable         Otters 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       None         12.1       Persistence and degradability       Insignificant         12.2       Bioaccumulation potential       None         13.       Disposal consideration       None         14.       Transportation information       None         15.       Regulatory information       None         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)		Flammability	Non-flammable
Oxidizing propertiesNon-oxidizingVapour pressureNot applicableBulk density1.2 g/cm³ aroundSolubility in waterSolubileSolubility in fatNot applicableOthers dataNone10Stability and reactivity10.1Conditions to avoidNone10.2Hazardous decomposition productsIf involved in fire, material could release ammonia and/or S0x.11Toxicological informationNon-toxic12.1Persistence and degradabilityInsignificant12.2Bioaccumulation potentialNone13Disposal considerationNone14Transportation informationNone15Regulatory informationReg. 1907/2006, Reg. 1272/2008, Reg. 790/200916Other informationNone17.3Transportation informationNone18.4Transportation informationNone19.5Regulatory informationNone19.6Other informationNone19.7Regulatory informationNone19.7Provide informationNone19.7Regulatory informationNone19.7Provide informationNone19.7NoneNone19.7NoneNone19.7Provide informationNone19.7Provide informationNone19.7NoneNone19.7NoneNone19.7Provide informationNone19.7NoneNon		Auto flammability	Non-auto flammable
Vapour pressureNot applicableBulk density1.2 g/cm³ aroundSolubility in waterSolubleSolubility in fatNot applicableOthers dataNone10Stability and reactivity10.1Conditions to avoidNone10.2Hazardous decomposition productsIf involved in fire, material could release ammonia and/or SOx.11Toxicological informationNon-toxic12.1Persistence and degradabilityInsignificant12.2Bioaccumulation potentialNone13Disposal considerationNone14Transportation informationNone15Regulatory informationReg. 1907/2006, Reg. 1272/2008, Reg. 790/200916Other informationNone16.1TrainingNot necessary16.2Limitation of useNone16.3References to the technical contact centerPuccioni SpA via Osca, 89 - 66054 Vasto (CH)		Explosive properties	Non-explosive
Bulk density       1.2 g/cm <sup>3</sup> around         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         12.1       Persistence and degradability       Insignificant         12.2       Bioaccumulation potential       None         13       Disposal consideration       None         14       Transportation information       None         15       Regulatory information       None         16       Other information       None         17       Transportation information       None         18       Disposal consideration       None         19       Regulatory information       None         10       Transportation information       None         16.1       Training       Not necessary         16.2       Limitation of use       None         16.3       References to the technical contact center       Puccioni SpA via Osca, 89 -		Oxidizing properties	Non-oxidizing
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       None         12.1       Persistence and degradability       Insignificant         12.2       Bioaccumulation potential       None         13       Disposal consideration       None         14       Transportation information       None         15       Regulatory information       None         16       Other information       None         17       Transportation information       None         18       Regulatory information       None         19       Other information       None         10       Infining       Not necessary         16.1       Training       None         16.3       References to the technical contact center       Puccioni SpA via Osca, 89 - 66054 Vasto (CH)		Vapour pressure	Not applicable
Solubility in fat Others dataNot applicable NoneStability and reactivityNone10.1Conditions to avoidNone10.2Hazardous decomposition productsIf involved in fire, material could release ammonia and/or SOx.11Toxicological informationNon-toxic12.Ecological informationNone12.1Persistence and degradabilityInsignificant12.2Bioaccumulation potentialNone13Disposal considerationNone14Transportation informationNone15Regulatory informationReg. 1907/2006, Reg. 1272/2008, Reg. 790/200916Other information16.1TrainingNot necessary16.2Limitation of useNone16.3References to the technical contact centerPuccioni SpA via Osca, 89 - 66054 Vasto (CH)		Bulk density	1.2 g/cm <sup>3</sup> around
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     Non-toxic       12.1     Persistence and degradability     Insignificant       12.2     Bioaccumulation potential     None       13     Disposal consideration     None       14     Transportation information     None       15     Regulatory information     None       16     Ther information     None       17     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)		Solubility in water	Soluble
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       Non-toxic         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       Not necessary         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)		Solubility in fat	Not applicable
10.1 10.2Conditions to avoidNone10.2Hazardous decomposition productsIf involved in fire, material could release ammonia and/or SOx.11Toxicological informationNon-toxic12Ecological informationInsignificant12.1Persistence and degradabilityInsignificant12.2Bioaccumulation potentialNone13Disposal considerationNone14Transportation informationNone15Regulatory informationReg. 1907/2006, Reg. 1272/2008, Reg. 790/200916Other information16.1TrainingNot necessary16.2Limitation of useNone16.3References to the technical contact centerPuccioni SpA via Osca, 89 - 66054 Vasto (CH)		Others data	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       Insignificant         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       Not necessary         16.1       Training       None         16.2       Limitation of use       None         16.3       References to the technical contact center       Puccioni SpA via Osca, 89 - 66054 Vasto (CH)	10	Stability and reactivity	
11       Toxicological information       Non-toxic         12       Ecological information       Insignificant         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       Not necessary         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)	10.1	Conditions to avoid	None
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       Not necessary         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)	10.2	Hazardous decomposition products	If involved in fire, material could release ammonia and/or SOx.
12.1Persistence and degradabilityInsignificant12.2Bioaccumulation potentialNone13Disposal considerationNone14Transportation informationNone15Regulatory informationReg. 1907/2006, Reg. 1272/2008, Reg. 790/200916Other information16.1TrainingNot necessary16.2Limitation of useNone16.3References to the technical contact centerPuccioni SpA via Osca, 89 - 66054 Vasto (CH)	11	Toxicological information	Non-toxic
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)	12	Ecological information	
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)	12.1	Persistence and degradability	Insignificant
14Transportation informationNone15Regulatory informationReg. 1907/2006, Reg. 1272/2008, Reg. 790/200916Other information16.1TrainingNot necessary16.2Limitation of useNone16.3References to the technical contact centerPuccioni SpA via Osca, 89 - 66054 Vasto (CH)	12.2	Bioaccumulation potential	None
15Regulatory informationReg. 1907/2006, Reg. 1272/2008, Reg. 790/200916Other information16.1TrainingNot necessary16.2Limitation of useNone16.3References to the technical contact centerPuccioni SpA via Osca, 89 - 66054 Vasto (CH)	13	Disposal consideration	None
16Other information16.1TrainingNot necessary16.2Limitation of useNone16.3References to the technical contact centerPuccioni SpA via Osca, 89 - 66054 Vasto (CH)	14	Transportation information	None
16.1TrainingNot necessary16.2Limitation of useNone16.3References to the technical contact centerPuccioni SpA via Osca, 89 - 66054 Vasto (CH)	15	Regulatory information	Reg. 1907/2006, Reg. 1272/2008, Reg. 790/2009
16.2Limitation of useNone16.3References to the technical contact centerPuccioni SpA via Osca, 89 - 66054 Vasto (CH)	16	Other information	
16.3References to the technical contact centerPuccioni SpA via Osca, 89 - 66054 Vasto (CH)	16.1	Training	Not necessary
	16.2	Limitation of use	None
16.4 Bibliographic sources None	16.3	References to the technical contact center	Puccioni SpA via Osca, 89 - 66054 Vasto (CH)
	16.4	Bibliographic sources	None

Note: The information in this Safety Data Sheet is given in good faith and belief in its accuracy based on our knowledge of substance/preparation. It does not imply acceptance of any legal liability or responsibility whatsoever by the Company for the consequences of its use or misuse in particular circumstances.