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1: Identification of the substance/mixture and of the company/undertaking									
1.1	Product identifiers <table border="1" style="width: 100%;"> <tr> <td style="width: 25%;">Product name</td> <td>Plara Hydrogel</td> </tr> <tr> <td>Product number</td> <td>No data available.</td> </tr> <tr> <td>Brand</td> <td>Plara Sp.z.o.o</td> </tr> <tr> <td>CAS-No</td> <td>25608-12-2</td> </tr> </table>	Product name	Plara Hydrogel	Product number	No data available.	Brand	Plara Sp.z.o.o	CAS-No	25608-12-2
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Brand	Plara Sp.z.o.o								
CAS-No	25608-12-2								
1.2	Relevant identified uses of the substance or mixture and uses advised against <p><i>Product use:</i> Superabsorbent polymer for use in agriculture, gardening, forestry, land reclamation and other related areas. A product for mixing with soil that absorbs, stores and gives water to plants. Furthermore, it can be used to reduce dust, e.g., during construction activities and landfilling, as a source of water for feed insects and invertebrates, as a substitute of sorption materials in baby diapers or as a sealing material.</p> <p><i>Not recommended use:</i> Use only for the purposes specified by the manufacturer. Otherwise, the user may be exposed to unpredictable risks.</p>								
1.3	Details of the safety data sheet supplier <table border="1" style="width: 100%;"> <tr> <td style="width: 25%;">Supplier:</td> <td>Plara Sp.z.o.o</td> </tr> <tr> <td>Headquarters:</td> <td>Plara Sp.z.o.o, ul. Marsz.J.Piłsudskiego 74/320, 50-020 Wrocław</td> </tr> <tr> <td>Phone:</td> <td>+48 696 070 470</td> </tr> <tr> <td>Email:</td> <td>plara@plara.eu</td> </tr> </table>	Supplier:	Plara Sp.z.o.o	Headquarters:	Plara Sp.z.o.o, ul. Marsz.J.Piłsudskiego 74/320, 50-020 Wrocław	Phone:	+48 696 070 470	Email:	plara@plara.eu
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Phone:	+48 696 070 470								
Email:	plara@plara.eu								
1.4	Emergency Phone 112								

2: Hazards identification									
2.1	Classification of the substance or mixture <table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">1272/2008 CLP:</td> <td>It is not a hazardous substance or mixture in accordance with Regulation (EC) 1272/2008.</td> </tr> <tr> <td>67/548/ EEC</td> <td>This substance is not classified as dangerous according to the directive 67/548 / EEC.</td> </tr> </table>	1272/2008 CLP:	It is not a hazardous substance or mixture in accordance with Regulation (EC) 1272/2008.	67/548/ EEC	This substance is not classified as dangerous according to the directive 67/548 / EEC.				
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2.2	Label elements <table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">Contains:</td> <td>Potassium polyacrylate (cross-linked)</td> </tr> <tr> <td>Hazard symbol:</td> <td>The product does not require labelling in accordance with EU directives or the corresponding national regulations.</td> </tr> <tr> <td>Signal word:</td> <td>Not relevant</td> </tr> <tr> <td>Safe handling instruction</td> <td>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling.</td> </tr> </table>	Contains:	Potassium polyacrylate (cross-linked)	Hazard symbol:	The product does not require labelling in accordance with EU directives or the corresponding national regulations.	Signal word:	Not relevant	Safe handling instruction	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling.
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Signal word:	Not relevant								
Safe handling instruction	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling.								
2.3	Other hazards: Not relevant								

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3: Composition/information on ingredients

3.1	Ingredients: Not relevant.		
Identifier	CAS-no	Concentration (%)	Classification
Cross-linked potassium polyacrylate	25608-12-2	min. 80	Not classified

4: First aid measures

4.1	Description of first aid measures		
	If you feel unwell after exposition, seek medical advice.		
	In case of skin contact:	Remove contaminated clothing and contaminated shoes. Rinse skin with water.	
	In case of eye contact:	Remove contact lenses if present. Rinse eyes thoroughly with water for several minutes. In all cases of doubt or when symptoms persist, seek medical attention.	
	If swallowed:	If you swallow seek medical advice.	
	If inhaled	In the event of respiratory difficulties after inhaling the dust, take the victim to fresh air, seek medical advice.	
4.2	Most important symptoms and effects, both acute and delayed		
	No data available.		
4.3	Indication of any immediate medical attention and special treatment needed:		
	No special proceedings required. Recommended usual proceedings.		

5: Firefighting measures

5.1	Extinguishing media		
	Suitable extinguishing media:	Water spray, dry extinguishing media, foam	
	Not suitable extinguishing media:	No data available	
5.2	Special hazards arising from the substance or mixture		
	Avoid excessive dusting due to the danger of dust explosion. Thermal decomposition can produce hazardous decomposition gases or vapours such as carbon monoxide.		
5.3	Advice for firefighters		
	Wear self-contained breathing apparatus for firefighting if necessary.		

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6: Accidental release measures	
6.1	Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid inhaling dust. Avoid contact with water or moisture when spilling to eliminate the possibility of slipping.
6.2	Environmental precautions Do not allow to enter drains. After swelling, it can reduce the permeability of the pipe.
6.3	Methods and materials for containment and cleaning up Sweep up and pour into a suitable container for disposal. Store in a suitable closed container. The material is compostable.
6.4	Reference to other sections Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Removal information: see section 13.

7: Handling and storage	
7.1	Precautions for safe handling Use in accordance with the principles of hygiene and safety in industry. Avoid contact with skin and eyes. Avoid creating and settling dust.
7.2	Conditions for safe storage, including any incompatibilities Store the product in a dry place, away from water sources. The product is highly hygroscopic.
7.3	Specific end use(s) No data available

8: Exposure controls/personal protection		
8.1	Control parameters Does not contain any substances with occupational exposure limit values.	
8.2	Exposure controls General principles of industrial hygiene.	
	Respiratory protection	Respiratory protection in case of dust formation
	Eye/face protection	Safety glasses with side shields (EN 166)
	Hand protection	Protective gloves.
	Skin protection	Wear appropriate protective clothing.

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9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	solid, crystalline, grainy
Colour:	colourless, pink, yellowish or green substance
Odour:	No data available
Odour threshold	Not relevant
pH (20°C):	~ 7 (1g/L)
Melting point (° C):	No data available
Initial boiling point and boiling range (° C):	Not relevant
Flash point (° C):	No data available
Evaporation rate:	Not relevant
Combustibility:	
Explosion or flammability limits: upper limit (% vol.): lower limit (% vol.):	No data available No data available
Vapor pressure (20 ° C)	Not relevant
Vapor density	Not relevant
Density (20 ° C)	No data available
Water solubility	Not relevant
Partition coefficient: n-octanol / water:	Not relevant
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	Not relevant
Explosive properties:	No data available
Oxidizing properties:	Nemá oxidační vlastnosti.

9.2 Other safety information

No data available

10: Stability and reactivity

10.1	Reactivity Stable under normal conditions of storage and handling.
10.2	Chemical stability Stable under normal conditions of storage and handling.
10.3	Possibility of hazardous reactions Dangerous reactions do not occur under recommended storage and handling conditions.
10.4	Conditions to avoid Avoid dust accumulation.
10.5	Incompatible materials No data available
10.6	Hazardous decomposition products Carbon monoxide

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11: Toxicological information	
11.1	Information on toxicological effects
	a) Acute toxicity No data available
	b) Skin corrosion / irritation No data available
	c) Serious eye damage / eye irritation No data available
	d) Respiratory or skin sensitization No data available
	e) Germ cell mutagenicity No data available
	f) Carcinogenicity IARC: None of the components in this product have been identified by IARC at levels greater than or equal to 0.1% as a probable, possible or confirmed carcinogen.
	g) Reproductive toxicity No data available
	h) Specific target organ toxicity - single exposure No data available
	i) Specific target organ toxicity - long term exposure No data available
	j) Aspiration hazard No data available
	Further information: RTECS: data not available

12: Ekological Information	
12.1	Toxicity No data available
12.2	Persistence and degradability No data available
12.3	Bioaccumulative potential No data available
12.4	Mobility in soil No data available
12.5	Other adverse effects Not relevant

13: Disposal considerations	
13.1	Waste treatment methods
	a) The product packaging must be handled in accordance with local waste disposal regulations.
	b) Unfiltered packaging can be re-used. Unclean packaging should be removed in accordance with applicable regulations. Observe national and local laws.
	c) The product packaging must be handled in accordance with local waste disposal regulations. Unfiltered packaging can be re-used. Unclean packaging should be removed in accordance

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14: Transport information	
14.1	UN number: ADR/RID: no IMDG: no IATA: no
14.2	UN proper shipping name: Not relevant
14.3	Transport hazard class(es): Not relevant
14.4	Packaging group: ADR/RID: no IMDG: no IATA: no
14.5	Environmental hazards: ADR/RID: no IMDG Marine pollutant: no IATA: no
14.6	Special precautions for user: Not applicable.

15: Regulatory information	
	Legal regulations This safety data sheet meets the requirements of the Commission Regulation (EU) 2015/830 of 28/05/2015. Regulation (EC) 1272/2008 concerning the classification of hazardous substances. The Act on Fertilizers and Fertilization of July 10, 2007.
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture No data available.
15.2	Chemical safety assessment No data available.

16: Other information	
Safety data sheet was prepared by the – Plara Sp.z.o.o	