

Safety Data Sheet

1. Identification of Product & Company

Product name	EASYGEL INX X100
Product number	DEP-201
CAS number	N/A
Manufacturer	BIO INX Technologiepark-Zwijnaarde 66 9052 Ghent, Belgium
General use:	Not for human use, for research only.
Emergency phone number	+32 (0) 499 16 98 94

2. Hazards identification

Hazard statement(s)	Not a hazardous substance or mixture
Label Elements	Not a hazardous substance or mixture
Precautionary statement(s)	

3. Chemical composition

Chemical name	CAS#	EC No.	EC Class
Buffer Solution	N/A	N/A	Not classified as hazardous
Silicic acid, lithium magnesium sodium salt	53320-86-8	258-476-2	Not classified as hazardous
Functionalized Gelatin	N/A	N/A	Not classified as hazardous
Lithium phenyl-2,4,6-trimethylbenzoylphosphinate	85073-19-4	N/A	Not classified as hazardous

Lieferant / Supplier:
 Carl Roth GmbH + Co KG
 Schoemperlenstr. 3-5
 74185 Karlsruhe, Germany
 +49 701 5606 0
 sicherheit@carlroth.de

The specific chemical identity and/or exact percentage of composition for the ingredients has been withheld as a trade secret.

4. First aid measures

General advice	Consult a physician. Show this data sheet to the doctor in attendance
Inhalation	Move person to fresh air. In case of respiratory problems, move person to first aid station for medical treatment. Consult a physician
Skin contact	Wash off with soap and plenty of water for 15 min. If irritation develops consult a physician
Eye contact	Flush with plenty of water to remove particles, remove contact lenses if present. Consult a physician



Ingestion

Never give anything by mouth to an unconscious person. Do not give milk or alcoholic substances. Rinse mouth with water. Consult a physician.

5. Firefighting measures

Extinguishing media

Water, water/foam, CO₂, ABC fire extinguisher powder

Specific hazards

Carbon oxides, Oxides of phosphorus, Lithium oxides

Protection for fire-fighters

Do not approach fire in confined space without positive pressure self-breathing apparatus and full bunker gear: bunker coats, helmet with face shield, gloves, rubber boots. Use NIOSH approved respiratory protection apparatus.

6. Accidental release measures

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Avoid contact with skin and eyes. Avoid prolonged or repeated contact with skin. Material can create slippery conditions.

Environmental precautions

Prevent further leakage or spillage. Do not let product enter drains. Discharge into the environment must be avoided.

Cleaning up methods

Sweep or wipe up and place in disposable container.

7. Handling and storage

Precautions

Use personal protective equipment. Avoid contact with skin and eyes. Material can create slippery conditions. Avoid formation of dust and aerosols. Wash skin thoroughly with soap and water after handling.

Storage

Preferably store at temperatures $\leq 10^{\circ}\text{C}$. Keep container tightly closed and protect from water and acidic substances and high temperatures.

Incompatible products

Temperature sensitive. Store away from oxidizing agents.

8. Exposure controls/personal protection

Control parameters

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Adequate washing facilities, with

Respiratory protection	supplies of mild soap and hand cleanser should be available at all working locations. Solvents should never be used as hand cleansers. Smoking, eating and drinking in working areas should be prohibited. Not required under normal operation. For higher level protection use type Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye/face protection	Protective goggles or safety glasses should be worn. Use equipment for eye protection tested and approved under appropriate government standards
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands
Body protection	Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
Control of environmental exposure	Do not let product enter drains

9. Physical and chemical properties

Physical state	Hydrogel (at 20 °C)
Color	Transparent
Odor	No special odor
Odor Threshold	<i>No data available</i>
pH	6.5 – 8.5
Melting point/freezing point	<i>No data available</i>
Initial boiling point and boiling range	<i>No data available</i>
Flash point	<i>No data available</i>
Evaporation rate	<i>No data available</i>
Flammability (solid, gas)	<i>No data available</i>
Upper/lower flammability	<i>No data available</i>
Vapor pressure	<i>No data available</i>
Vapor density	<i>No data available</i>
Relative density	<i>No data available</i>
Water solubility	<i>No data available</i>
Partition coefficient: n-octanol/water	<i>No data available</i>

Auto-ignition temperature	<i>No data available</i>
Decomposition temperature	<i>No data available</i>
Viscosity	<i>No data available</i>
Explosive properties	<i>No data available</i>
Oxidizing properties	<i>No data available</i>
Density	<i>No data available</i>

10. Stability and reactivity

Reactivity	<i>No data available</i>
Chemical stability	Light sensitive.
Possibility of hazardous reactions	Hazardous decomposition products formed under fire conditions. - Carbon oxides, Oxides of phosphorus, Lithium oxides
Conditions to avoid	<i>No data available</i>
Incompatible materials	Strong acids, Strong bases, Strong oxidizing agents,

11. Toxicological information

Acute toxicity	<i>No data available</i>
Skin corrosion/irritation	<i>No data available</i>
Serious eye damage/eye irritation	<i>No data available</i>
Respiratory or skin sensitization	<i>No data available</i>
Germ cell mutagenicity	<i>No data available</i>
Carcinogenicity	<i>No data available</i>
Reproductive toxicity	<i>No data available</i>
Specific target organ toxicity	<i>No data available</i>
Additional information	<i>No data available</i>

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

Toxicity	<i>No data available</i>
Persistence/degradability	<i>No data available</i>
Bio-accumulative potential	<i>No data available</i>
Mobility in soil	<i>No data available</i>
Results of PBT and vPvB assessment	<i>No data available</i>
Ecotoxicity	<i>No data available</i>

13. Disposal considerations

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Waste material must be disposed of in



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accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport information

General precautions

Non-dangerous goods

Special precautions

Non-dangerous goods

This material is not classified according to the recommendations of the UN (8 edition) on the transport of dangerous goods

15. Regulatory information

For this product a chemical safety assessment was not carried out

16. Other information

No data available

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.