

Safety Data Sheet

1. Identification of Product & Company

Product name	READYGEL INX X100
Product number	VOL-101
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.
Precautionary statement(s)	<i>No data available</i>

3. Chemical composition

Chemical name	CAS#	EC No.	EC Class
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
Buffer Solution	N/A	N/A	Not classified as hazardous

Lieferant / Supplier:
 Carl Roth GmbH + Co KG
 Schwanenstr. 3-5
 76185 Karlsruhe, Germany
 +49 72 85 606 0
 sicherheit@carlroth.de

4. First aid measures

General advice	Move out of dangerous area. Consult a physician. Show this data sheet to the doctor in attendance
Inhalation	Move person to fresh air as quickly as possible. 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	Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician

5. Firefighting measures



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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

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

Environmental precautions

No special environmental precautions required.

Cleaning up methods

Vacuum or sweep up and place in standard disposable container. Avoid the use of air jets

7. Handling and storage

Precautions

Normal precautions common to safe manufacturing practice should be followed. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation

Storage

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

Incompatible products

No data available

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 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
Threshold Limit Value (TLV): a provisional TLV (TWA 8 hours) is advised in accordance with the TLV of non-toxic nuisance dust: 10 mg/m³ for total dust; 5mg/m³ for respirable dust

Respiratory protection

Not required under normal operation

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	Clear gel (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

Freezing

Incompatible materials

Strong oxidizing agents

11. Toxicological information

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

Reproductive toxicity

No data available

Specific target organ toxicity

No data available

Additional information

No data available

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

12. Ecological information

Toxicity

No data available

Persistence/degradability

No data available, biodegradable

Bio-accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

No data available

Ecotoxicity

No indication that this material is being a risk to the environment. Biodegradable to natural components

13. Disposal considerations

This material presents no danger regarding toxicological and/or ecological considerations. Dispose of in accordance with all applicable governmental regulations for non-hazardous solid waste

14. Transport information

General precautions

Non-dangerous goods

Special precautions

Non-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.