
Material Safety Data Sheet

Revision Date: 1-June-2016



1. Product and Company Information

Product Name *PlantZol*
Cat. No. EE141-01
Company TransGen Biotech Co., Ltd.
Technical Phone +86-400-898-0321
Fax +86-10-57815011
E-mail Address trans@transgen.com.cn

2. Hazards Identification

Classification

Indication of danger: Xn-Harmful



R-phrases

R22- Harmful if swallowed

R32- Contact with acids liberates very toxic gas

Potential health effects

Eyes May cause eye irritation of susceptible persons.

Skin Components of the product may be absorbed into the body through the skin. Irritating to skin and mucous membranes.

Inhalation May cause irritation of respiratory tract.

Ingestion Harmful if swallowed.

3. Composition

Chemical Name	CAS-No	Weight %
Guanidine thiocyanate	593-84-0	30-60

We recommend handling all chemicals with caution.

4. First Aid Measures

General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes.
Inhalation	Move to fresh air.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Notes to physician	Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

6. Accidental Release Measures

Personal precautions	Use personal protective equipment.
Methods for cleaning up	Soak up with inert absorbent material.
Environmental precautions	Prevent further leakage or spillage if safe to do so.

7. Handling and Storage

Handling	Always wear recommended Personal Protective Equipment. No special handling advice required.
Storage	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers

8. Exposure Controls/Personal Protection

Exposure limits: We are not aware of any national exposure limit.

9. Physical and Chemical Properties

General Information

Form: liquid

Color: transparent

Water solubility: soluble

Others: No information available.

10. Stability and Reactivity

Stability Stable under normal conditions

Materials to avoid Acids

Polymerization None under normal processing.

11. Toxicological Information

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Guanidine hydrochloride	593 mg/kg	no data available	no data available

Principle Routes of Exposure/
Potential Health effects

Eyes May cause eye irritation of susceptible persons.

Skin Components of the product may be absorbed into the body through the skin. irritating to skin and mucous membranes

Inhalation May cause irritation of respiratory tract.

Ingestion Harmful if swallowed.

Carcinogenic effects None.

Mutagenic effects None.

Reproductive toxicity None.

12. Ecological Information

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	No information available.

Bioaccumulation	No information available.
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13. Disposal Considerations

Dispose of in accordance with local regulations.

14. Transport Information

IATA

Proper shipping name Not classified as dangerous in the meaning of transport regulations

Hazard class No information available

Subsidiary Class No information available

Packing group No information available

UN-No No information available

15. Regulatory Information

International Inventories	Complies
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16. Other Information

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

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End of Safety Data Sheet