

Material Safety Data Sheet

Revision Date: 21112011

Date: November 21, 2011

Product Name: Humigreen®

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION COMPANY

Product name Humigreen®
Common name water soluble fertilizers
Standard denomination Humic Acid Soil conditioner
Company name Tagrow Co. Ltd
Tel: +86-10-59813071/72/73
Fax: +86-10-59813070

Product use Natural Soil Conditioner & plant growth stimulant

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components name	Proportion
Humic Acid:	75%
Fulvic Acid:	15%
Soluble Potassium (k2o):	10%
Iron:	0.5%

3. HAZARDS IDENTIFICATION

Human health effects No specific hazards under normal use conditions
Safety hazards Not classified as flammable or combustible
Environmental hazards Not classified as dangerous to the environment

4. FIRST AID MEASURES

Eye contact If contacts with the eye(s) occur, wash with running water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye.

Skin contact Remove contaminated clothing. Immediately and thoroughly, wash off with soap and water.

Inhalation Remove individual from site of exposure to fresh air.

Ingestion Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use media suitable for surrounding area as Carbon dioxide, Foam, Dry powder, Water spray.

Specific methods Self-contained breathing apparatus (S.C.B.A) and full protective clothing should be worn to minimise exposure.

Specific hazards Not combustible

Products in case of fire In the event of a fire, the following can be released: carbon monoxide, carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

- Use personal protective equipment.
- Take up with absorbent material (dry sand or

Material Safety Data Sheet

Revision Date: 21112011

Date: November 21, 2011

Product Name: Humigreen®

earth, universal binder)

7. HANDLING AND STORAGE

- Handling**
- When dealing with large quantities, repeated or prolonged exposure without protection should be avoided.
 - Avoid formation of vapors and aerosols during processing and application.
 - Wear respiratory mask when spraying.
- Storage**
- Store in a cool, dry, well ventilated area, out of direct sunlight. Keep containers closed when not in use. Store in suitable, labelled containers.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure limits: No exposure limits have been established for this material

Personal protection equipment

- General protective measures**
- Do not smoke, eat or drink when using this product.
 - Wash hands before breaks and at end of work shift.
 - Protective ointment is recommended.
- Eye protection**
- Safety goggles and/or face shield are recommended for use.
- Hand protection**
- PVC gloves.
- Skin and body protection**
- Light protective clothing is required.
- Respiratory protection**
- In case of formation of aerosols or vapors, an organic vapor cartridge respirator is recommended.
- Engineering**
- Good (mechanical) ventilation should be sufficient to control airborne levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Light brown
Solubility	100%
Odour	Weak odor
Specific gravity (20°C)	1.6 g/cm ³
pH	5-6 @ 40 g/l of water @ 25 °C

10. STABILITY AND REACTIVITY

- Conditions to avoid
- Unstable under strong acidic conditions (at PH2) or under strong alkali conditions (PH > 9-10; Unstable at extremely low temperature

Material Safety Data Sheet

Revision Date: 21112011

Date: November 21, 2011

Product Name: Humigreen®

(minus 20).

Thermal decomposition	• Not measured
Hazardous reactions	• No hazardous reactions
Hazardous polymerisation	• No
Stability	• Product is stable with proper storage
Hazardous decomposition products	• None with proper handling and storage

11. TOXICOLOGICAL INFORMATION

Inhalation	• Non-toxic, potential mild irritation
Ingestion	• Ingestion may cause irritation to mouth, throat and stomach. May produce nausea and vomiting.
Skin	• Non-toxic, potential mild irritation.
Eye	• Non-toxic, potential mild irritation.

12. ECOLOGICAL INFORMATION

Environ. Protection

No data available for this product. Avoid large quantities of this material from entering the environment.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, county regulations.

Product disposal and disposal requirements	In accordance with local county authority regulations, take to special waste incineration plant
Contaminated packaging	If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. TRANSPORT INFORMATION

This product is not regulated as a DOT hazardous material	
UN-No	Not dangerous for transport under UN, IMO, ADR/RID, ADG and IATA/ICAO codes.
Proper shipping name	None allocated
Safety Phase	Not classified

15. REGULATORY INFORMATION

SARA Section 311/312	Fire: NO
	Pressure generating: NO
	Reactivity: NO

16. OTHER INFORMATION

Physical Hazard: 0; Protection: X

This MSDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments

Material Safety Data Sheet

Revision Date: 21112011

Date: November 21, 2011

Product Name: Humigreen®

do not apply to the properties of the product once it has been diluted for application

Manufacturer disclaimer

While the information and recommendations contained herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon.

END OF MATERIAL SAFETY DATA SHEET