

Material Safety Data Sheet

Revision Date: June 2011

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Product Name: Jambo-Clean®

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION COMPANY

Product name Jambo-Clean®
Product use Supplemental nutrition product for farm crops in the Vegetative stage and Flowering / fruiting stage. Cleans off organic waste on leaf surface for increased photosynthetic chlorophyll matter.
Company name Talent Biosciences
Pizcueta Felix Street, 32 Low Interior
46089 Valencia, Spain

2. COMPOSITION/INFORMATION ON INGREDIENT MIXTURE

Components name	CAS-No	Concentration (%)	Hazard Symbols	R-phrases
Hydroxides, inner salts, Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs;	61789-40-0	2-4	Xi/Xn	R36/37/38
Benzenesulfonic acid, C10 alkyl derivs; sodium salts	68411-30-3	2-4	R36	R38/41

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. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Skin contact Remove contaminated clothing. Immediately and thoroughly, wash off with soap and water. If symptoms develop seek medical attention.

Inhalation Remove individual from site of exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

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

5. FIRE-FIGHTING MEASURES

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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, silicon dioxide

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	<ul style="list-style-type: none">• Use personal protective equipment.• Take up with absorbent material (dry sand or earth, universal binder)• Do not allow to enter drains, waterways or sanitary sewer systems.
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7. HANDLING AND STORAGE

Handling	<ul style="list-style-type: none">• 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 protection when spraying.
Storage	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Safety goggles and/or face shield are recommended for use.
Hand protection	<ul style="list-style-type: none">• PVC gloves.
Skin and body protection	<ul style="list-style-type: none">• Light protective clothing is required.
Respiratory protection	<ul style="list-style-type: none">• In case of formation of aerosols or vapors, an organic vapor cartridge respirator is recommended.
Engineering	<ul style="list-style-type: none">• Good (mechanical) ventilation should be sufficient to control airborne levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Liquid

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Colour	Light Green
Boiling point(760mm Hg)	>100°C
Odour	N.A
Flash Point	193 °C (379.40 deg F)
Decomposition Temperature	290 °C
Density (20°C)	1.1746 g/cm ³
pH	4.4 @ 40 g/l of water @ 25 °C
Refractive index	1.474
Surface tension	63.4 dyne/cm at 20°C(100% glycerol)
Compressibility (28.5°C)	2.1×10 MPa

10. STABILITY AND REACTIVITY

Conditions to avoid	<ul style="list-style-type: none">• None with proper handling and storage
Thermal decomposition	<ul style="list-style-type: none">• Not measured
Hazardous reactions	<ul style="list-style-type: none">• No hazardous reactions
Hazardous polymerisation	<ul style="list-style-type: none">• No
Stability	<ul style="list-style-type: none">• Product is stable with proper storage
Hazardous decomposition products	<ul style="list-style-type: none">• None with proper handling and storage

11. TOXICOLOGICAL INFORMATION

Toxicology Information	<ul style="list-style-type: none">• Oral, mouse: LD50 = 4090 mg/kg• Oral, rat: LD50 = 12600 mg/kg.
Inhalation	<ul style="list-style-type: none">• Inhalation of product vapours may cause slight irritation of the upper respiratory tract.
Ingestion	<ul style="list-style-type: none">• Ingestion may cause irritation to mouth, throat and stomach. May produce nausea and vomiting.
Skin	<ul style="list-style-type: none">• The material may be slightly irritating to the skin.
Eye	<ul style="list-style-type: none">• The material may be slightly irritating eyes.
Chronic Effects	<ul style="list-style-type: none">• Prolonged or repeated skin contact may cause irritation in sensitive individuals.

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

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possible hazards.

14. TRANSPORT INFORMATION

This product is not regulated as a DOT hazardous material

UN-No

None allocated. Not dangerous for transport under UN, IMO, ADR/RID, ADG and IATA/ICAO codes.

Proper shipping name

None allocated

Safety Phase

Not classified

Poison Schedule

S5

15. REGULATORY INFORMATION

United States of America

SARA Section 311/312

Fire: NO

Pressure generating: NO

Reactivity: NO

SARA Sections

SECTION 313

Notification: NO

This product contains no SARA Title III, Section 313 listed chemicals.

California Proposition 65 Statement

Notification: NO

This product does not contain any substance(s) which are defined by the State of California to cause cancer, birth defects, or other reproductive effects.

Canada

WHMIS CLASSIFICATION

Class D, Division 2, Subdivision B

Canadian Environmental Protection Act

All intentional ingredients are listed on the DSL (Domestic Substance List) or have been notified pursuant to the NSN regulations.

16. OTHER INFORMATION

List of R Phrases in Section 2. R36/37/38 Irritating to eyes, respiratory system and skin

Physical Hazard: 0; Protection: X

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