

# MATERIAL SAFETY DATA SHEET



Description: ECOSAF GEN

Revision Number: 02

Document Number: MSDS BIO DC

## Company Details

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## 1. Product Identification

Trade Name	ECOSAF GEN	Product code:	STG001
DOT Class	Non - regulated		
Proper shipping name	N/A		
UN number	N/A		

## 2. Composition

All components appear on the TSCA inventory. Components not listed are either non hazardous or in concentration less than 1%. This product is not approved in Canada.

Ingredient name	CAS No.	OSHA PEL	ACGIH TLV/TWA
Viable bacterial culture	N/A	N/A	N/A
Water	7732-18-5	N/A	N/A

## 3. Hazards Identification (acute health effects if not used according to manufacturer's instructions)

Routes of entry	Absorption, Ingestion and eyes
Inhalation	Though unlikely - could be irritating to the lungs and mucus membranes
Skin contact	Though unlikely - might cause a mild skin irritation after prolonged contact
Eye contact	Though unlikely - might cause an eye irritation
Ingestion	Though unlikely - ingestion might result in abdominal pain, nausea & vomiting
Signs and symptoms of over exposure	None known
Aggravated medical conditions	None known, however persons with respiratory conditions should avoid breathing any mist from this product

## 4. First Aid Measures

Inhalation	Move patient to fresh air and avoid breathing dust from product. If breathing problems develop seek medical attention
Skin contact	Wash the product off the skin with soap and water, if irritation develops, seek medical attention
Eye contact	Flush eyes with water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids and rolling eyeballs. If irritation persists, see a medical doctor
Ingestion	Watch victim for any signs of illness, induce vomiting only if advised by a doctor

Prepared by: Sabelo Dladla  
Reviewed by: Doug Cutter  
Status: Issued

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## 5. Fire Fighting Measures

Extinguishing media	Water spray, carbon dioxide, dry chemical powder.
Special fire fighting procedures	None
Unusual fire and explosion hazards	None known
Flash point	N/A
Flash point method	N/A
LEL	N/A
UEL	N/A

## 6. Accidental Release Measures/Spill or Leak Procedure

Waste Disposal	Contain and collect material, place in proper container for reuse or disposal. Dispose of materials in accordance with all local regulations.
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## 7. Handling & Storage

Handling	Always wash hands with soap and water before handling food or smoking. Use good chemical hygiene practices when working with any chemical.
Storage	Store in a location away from children, food items and potable water. Store in an area out of the direct sunlight, keep container closed when not in use, avoid storing in a damp environment.
Other precautions	None

## 8. Exposure Controls/Personal Protection

Workers should have access to an eye wash fountain as standard procedure.	
Eye Protection	It is recommended that one wears protective gloves. Safety glasses with side shields or splash goggles are recommended.
Respiratory Protection	No breathing apparatus is required for normal use
Protective gloves	Recommended. Disposable nitrile examination gloves are suitable for preventing prolonged exposure with skin
Ventilation	Local exhaust should be sufficient. If used in a manner that causes a mist, mechanical ventilation maybe necessary
Other protective clothing	None required

## 9. Physical and Chemical Properties

Appearance	Opaque liquid, natural perfumed
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Density	Approx 1,00g/cm <sup>3</sup>
pH	8.0 to 9.5
Solubility (water)	100 %
Vapour density	Equivalent to water
Vapour pressure	Equivalent to water
Melting point	N/A
Boiling point	100°C

## 10. Stability and Reactivity

Stability	Stable under normal conditions
Incompatible material	Not known
Hazardous decomposition products	Not known.
Hazardous polymerisation	Will not occur

## 11. Toxicological Information

Toxicity	N/A
Carcinogenicity	No evidence of carcinogenic properties.
Mutagenicity	No evidence of mutagenic effects
Teratogenicity	No evidence of teratogenic effects
Reproductive effects	Not expected to impair fertility.

## 12. Ecological Information

Aquatic toxicity – rainbow trout	N/A.
Aquatic toxicity – daphnia	N/A
Aquatic toxicity – algae	N/A
Bio accumulation	N/A

## 13. Disposal Considerations

Disposal method	Contain and collect material, place in proper container for reuse or disposal. Dispose of materials in accordance with all local regulations
Disposal of packaging	Recycle or provide to drum collectors or recovers

## 14. Transport Information

UN No:	N/A
Substance identity	ECOSAF GEN
ADR/RID class	N/A

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IMDG – packaging group	N/A
IMDG Code	N/A
Marine Pollutant	N/A
IMO/IMDG Classification	N/A
IATA Classification	N/A

### 15. Regulatory Information

EEC-hazard classification	N/A
Health	1
Fire	0
Reactivity	0

### 16. Other Information

References: SABS 0265: 1999, SABS 0228 : 1995, SABS ISO 11014-1: 1994, M.S.D.S.  
(Suppliers of raw's)

Issued by: Sabelo Dladla

**EMERGENCY NUMBERS: 011 406 4000 / 082 412 2298**

The information in this MSDS is based on current knowledge and experience at the date of publication. This MSDS summarises our best knowledge of the health and safety hazard information of the product and is intended only as a guide to the appropriate precautionary handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification of the product. The data relates only to the specific product designated, and does not relate to use of the product in combination with any other material or use of the product in any process. The data is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability for fitness for a particular purpose is made with respect to the product, its composition, its safety or the information contained in this MSDS.

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## APPENDIX A

Revision Date (dd/mm/yy)	Issued By	Revision History		Revision No.
		Description	DCN No.	
02/03/2012	Technical Manager	Issued	MSDS BIO DC	00
20/05/2013	Technical Manager	Document review and change of Company logo.	MSDS BIO DC	01
13/03/2017	Operations Director	Document review	MSDS BIO DC	02

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