

SAFETY DATA SHEET Nitrosol Gibb A90

SECTION 1 : CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Nitrosol Gibb A90

Proper Shipping Name: Gibberellic acid

Product Use: Plant growth regulator for stimulation of pasture growth

SUPPLIER: Nitrosol Limited, 63b Allens Road, East Tamaki, 2013, Auckland
Telephone: +64 9 571 7171

24 H Emergency Contact: 0800 243 622 (24 Hours)

Website: www.nitrosol.co.nz

Email: info@nitrosol.co.nz

SECTION 2 : HAZARDS IDENTIFICATION

Classification of the substance or mixture (HSNO): 6.4A - Eye irritant

Classification of the substance or mixture (GHS): Serious eye damage/eye irritation

Category 2 Label Elements:

Pictogram:



Signal Word: WARNING

Hazard Statements: H319 Causes serious eye irritation.

Precautionary Statements

Prevention: P264 - Wash hands, exposed skin, thoroughly after use.
P280 - Wear eye protection/face protection.

Response: P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice/attention.

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Disposal: P501 – In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.

Environmental protection Authority (New Zealand)

Hazardous Substances and New Organisms Act 2015

HSNO classification

Health Hazards None identified

Environmental Hazards None identified

SECTION 3 : COMPOSITION

Ingredient	CAS Number	Proportion
Gibberellic Acid GA3	77-06-5	90%
Ingredients not contributing to hazard		Balance

SECTION 4 : FIRST AID MEASURES

- Eyes:** Flush with cold water immediately for at least 15 minutes, lifting upper and lower eye lids occasionally as a preventative measure. If irritation persists seek medical advice.
- Skin:** Wash skin well with soap and water. Remove & wash Contaminated clothing before re-use.
- Ingestion:** Rinse mouth. Contact a doctor or Poisons should individual continue to feel unwell.
Information Centre (0800 POISON - 0800 764 766).
- Inhalation:** Clear airways and remove to fresh air. If breathing is difficult give oxygen. Seek medical attention.
- Advice to Doctor:** Treat symptomatically based on judgement of doctor and individual reactions of patient.

SECTION 5 : FIRE FIGHTING MEASURES

General Measures	Not considered to be a fire hazard. Clear fire of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
Flammability	The Product itself is not considered flammable
Extinguishing Media	Water spray/fog, dry chemical, foam, CO2
Fire & Explosion Hazards	Not a fire or explosion hazard
Hazardous Products of Combustion	May produce smoke
Flash Point	No Data Available
Flammable Limits	Not flammable.
Fire Fighting	Wear protective clothing and self-contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spills:	Use appropriate protective clothing and equipment. Clear area of all unprotected personnel. Use appropriate protective clothing and equipment. Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release. Avoid dust formation. Avoid release to the environment. Shovel or sweep up spill and place into a container for disposal. Label disposal containers. Dispose of waste in accordance with Section 13. Prevent runoff reaching drains.
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SECTION 7 : HANDLING AND STORAGE

Handling	Keep out of reach of children. Ensure compatibility with other products if to be sprayed together by doing small test premix.
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Avoid dust formation. Avoid contact with skin and eyes. Avoid inhaling dust. Do not eat, drink or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas. Wash clothing after use.

Store away from goods and animal feed.

Storage Keep container tightly closed. Always keep in containers that correspond to the material of the original container.
Take care of instructions on label. Store in room at temperatures between 5 °C and 40 °C. Carefully store closed containers upright to prevent any leaks.

SECTION 8 : EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines:	None established by OSHA or in Workplace Exposure Standards (WES)
Control parameters	None
Engineering Measures	Adequate ventilation should be considered
Eyes	Wear eye glasses with side protection according to EN 166.
Hands and Skin	For prolonged or repeated handling the following glove material must be used: e.g. NBR (Nitrile rubber). Barrier creams can help protecting exposed skin areas.
Respiratory General	Usually no personal respirative protection necessary. After contact clean skin thoroughly with water and soap or use appropriate cleanser.
Dust	Recommend TWA of 10mg/m ³ for dust exposure as a safe guideline.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid White Powder
Boiling Point:	About 100 °C
Density:	880 - 1080 g/L @ 25 °C
Flash Point:	Not available
pH:	3.0- 5.0 (0.1% solution)
Vapour Pressure:	Not Available
Corrosion:	Not corrosive

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Oxidisation: Not an oxidiser
Solubility: 5g/L

SECTION 10 : STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Incompatibility: Avoid strong acids and/or alkalis
Hazardous Decomposition: Carbon Oxides may form
Hazardous Polymerization: Does not occur.

SECTION 11 : TOXOLOGICAL INFORMATION

Acute Effects:

Ingestion: LD50 > 5000 mg/kg
Inhalation: Not expected to be harmful by inhalation under normal conditions of use.
Skin: Not expected to be harmful by skin contact. Not expected to be a skin irritant.
Eye: Irritating to eyes.
Sensitisation: Not expected to be a respiratory or skin sensitiser.

Chronic Effects:

Reproduction: No known reproductive/developmental effects
Carcinogen: No known carcinogenic effects
Mutagenicity: No Known or mutagenic effects
Specific Target Organ Toxicity: No known effects.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity: LC50/EC50 > 100 mg/L
Vertebrate toxicity: Not classified as toxic to Vertebrates
Invertebrate toxicity: Not classified as toxic to Invertebrates
Toxicity to fish: Not classified as ecotoxic in the aquatic environment.
Bioaccumulation: No data available
Mobility: No data available

SECTION 13 : DISPOSAL CONSIDERATIONS

Disposal Method: Follow the label directions.
Triple rinse empty containers before disposal.

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Do not burn empty containers that have not been rinsed. Burn in an appropriate incinerator if circumstances such as wind direction permit.

Otherwise crush or puncture and bury in a suitably approved landfill. Do not dispose of this product down drains or sewers. Follow all local, regional and national laws and regulations regarding hazardous waste disposal.

SECTION 14 : TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

SECTION 15 : REGULATORY INFORMATION

EPA Approval Code:	HSR000747
HSNO Classification:	Not considered hazardous
HSNO Controls:	Not required
Trigger quantities for this substance:	
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	Not applicable
Emergency Response Plan QTY	Not applicable
Restrictions of use	None

SECTION 16 : OTHER INFORMATION

Glossary

EC50 Median effective concentration.

EPA Environmental Protection Agency.

HSNO Hazardous Substances and New Organisms.

HSW Health and Safety at Work.

LC50 Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.

LD50 Lethal dose to kill 50% of test animals/organisms.

LEL Lower explosive level.

OSHA American Occupational Safety and Health Administration.

TEL Tolerable Exposure Limit.

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TLV Threshold Limit Value-an exposure limit set by responsible authority.

UEL Upper Explosive Level

WES Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

The data in this Safety Data Sheet relates only to this product alone, and not to its use in combination with other substances or products. In such circumstances, assuming the combination is permitted (refer to product labels, and contact manufacturers if in doubt), be guided by the most hazardous of the substances involved, and observe the more stringent of all hazard controls applicable to the products used.

Further Information Nitrosol Limited

Toll-Free Phone (0800) 80 30 60