

SAFETY DATA SHEET

Falgro

Date of Issue: 03/31/2019 (m/j/a)

SECTION 1: IDENTIFICATION

Product name: Falgro Plant Growth Regulator

Norac Concepts Inc.
P.O. Box 31097
Guelph, ON, N1H 8K1

Product use: Agricultural plant growth regulator

Registration number: 27653 Pest Control Product Act

Restriction on use: None known

Additional Product Information: 519-821-3633

In Case of Emergency, Call: 613-787-5620 All hours

SECTION 2: HAZARDS IDENTIFICATION

Hazard Statements:

No hazards

Signal Word:

No signal word required.

Precautionary Statements:

Prevention

Keep out of reach of children.

Read label before using.

Wash hands after handling.

Wear chemical safety goggles, chemical resistant gloves, long pants and long sleeve shirts.

Response

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes.

Remove contact lens, if present, after the first 5 minutes and then continue rinsing eye.

Call a Poison Control Center or Doctor for treatment advice.

Storage

Store in a cool dry place.

Disposal

Dispose of contents/container to comply with applicable regulations.

Physical Hazards Not Otherwise Classified: None known

Health Hazards Not Otherwise Classified: None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	% (w/w)
Gibberellic acid	77-06-5	10 – 30
Adipic acid	124-04-9	15 - 40

Common Name: None

Synonyms: Adipic Acid – Hexanedioic acid

SECTION 4: FIRST-AID MEASURES

IF SWALLOWED: Call a Poison Control Centre or Doctor immediately for treatment advice. Have person sip a glass of water, if able to swallow. DO NOT induce vomiting unless told to do so by a Poison Control Center or Doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or Doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes and then continue rinsing eye. Call a Poison Control Center or Doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a Poison Control Center or Doctor for treatment advice.

Most Important Symptoms and Effects, Acute and Delayed:

If inhaled: Spray mists may cause respiratory irritation.

If on skin or in eyes: Direct contact may cause eye irritation.

If swallowed: Non-toxic. May cause gastrointestinal tract upset.

Indication of any immediate medical attention and special treatment needed: There is no specific antidote, treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media: For large fires, apply aqueous film forming foam or water in the form of a fog. For small fires, use carbon dioxide or dry chemical.

Unsuitable Extinguishing media: Minimize the amount of water used.

Specific Hazards arising from the substance or mixture: Contain fire-fighting water for disposal if contaminated with product.

Special Protective Equipment and Precautions for Fire-fighters: Wear self-contained breathing apparatus and impervious clothing. Minimize the amount of water used and contain the run-off from entering water supplies or the environment by dyking.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear personal protective equipment as described in Section 8.

Environmental Precautions: Do not allow product to enter sewers, ground water or any water course. Inform applicable government authority if release is reportable or could adversely affect the environment.

Methods and Materials for Containment and Cleaning Up: Absorb spilled spray solutions with suitable absorbent. Collect any spilled material, washings, contaminated soil, water and absorbent and place in a waste container for proper disposal. Dispose of contaminated material as waste according to Section 13.

SECTION 7: HANDLING AND STORAGE

Precaution for Safe Handling: Avoid breathing spray mists, contact with eyes, skin and clothing. Wear appropriate personal protective equipment. Wash thoroughly after use. If clothing becomes contaminated, wash thoroughly before re-use.

Conditions for Safe Storage: Store in a cool and dry location. Keep out of reach of children and pets.

Storage temperature: Do not expose to temperatures above 40°C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with Workplace Control Parameters:

Ingredients	CAS Number	Value/Form of Exposure	Permissible Concentration
Gibberellic acid	77-06-5		No exposure limit value
Adipic acid	124-04-9	TWA	5 mg/m ³

Appropriate Engineering Controls: Provide local exhaust and/or adequate ventilation.

Individual Protection Measures:

Eye protection: Use chemical safety goggles.

Skin protection: Chemical-resistant gloves and protective clothing that is impervious under conditions of use.

Respiratory protection: Misting conditions use a NIOSH/MSHA approved respirator with pesticide cartridges.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White / off-white tablet
Odour:	Very faint odour
Odour Threshold:	Not determined
pH:	No data
Melting point/Freezing Point:	Not determined
Initial Boiling Point/Range:	No data
Flash Point:	Not applicable
Evaporation rate (ether=1):	Not applicable
Flammability (Solid or gas):	Not Flammable
Lower flammability or explosive limit:	No data
Upper flammability or explosive limit:	No data
Vapour pressure (mm Hg at 20°C):	Not applicable
Vapour density (air=1):	Not applicable
Bulk Density:	Not determined
Solubility (water):	Soluble
Solubility (other):	No data
Partition coefficient (n-octanol/water):	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not reactive. Not sensitive to mechanical impact.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None expected.
Conditions to avoid:	None known.
Incompatible materials:	Strong oxidizing agents and alkaline materials. Tablets will effervesce on contact with water releasing carbon dioxide.
Hazardous decomposition products:	Thermal decomposition may produce carbon oxides and irritating fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eyes, skin and inhalation.

Acute Toxicity of Gibberellic acid:

Oral LD₅₀ (rat) = >5000 mg/Kg

Dermal LD₅₀ (rabbit) = >2000 mg/Kg

Acute Toxicity of Adipic acid:

Oral LD₅₀ (rat) = 5560 mg/Kg

Dermal LD₅₀ (rabbit) = 7940 mg/Kg

Delayed and Immediate Effects:

Inhalation: High spray mist concentrations of this product may cause respiratory tract irritation.

Skin contact: Prolonged or repeated exposure may cause skin irritation and dermatitis.

Eye contact: Direct contact with powder product may cause eye irritation.

Ingestion: May cause irritation to the gastrointestinal tract.

Respiratory or skin sensitization: Not a sensitizer.

Aspiration Hazard: None known.

Chronic Effects: None known.

Carcinogenicity: The ingredients in this product are not classified as carcinogenic by the ACGIH, IARC, OSHA and NTP.

Mutagenicity: There is no evidence of mutagenic potential.

Reproductive effects: There is no evidence of embryotoxic effects.

Teratogenicity: There is no evidence that this product has teratogenic potential.

Other information: None known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Product is harmful to aquatic life.

Gibberellic Acid

Toxicity to fish: LC50 oncorhynchus mykiss (rainbow trout) - >150 mg/L 96 hr

Adipic Acid

Toxicity to fish: LC50 Brachydanic rerio (zedrafish) – 1000 mg/L 96 hr

Toxicity to daphnia

And other aquatic

Invertebrates: LC50 – Daphnia magna (water flea) – 46 mg/L 48 hr

Toxicity to algae: EC50 – Pseudokirchnerielle subcapitata (algae) – 59 mg/L 72 hr

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Container Disposal: Non-refillable container. Do not reuse. Dispose of in a sanitary landfill, or by other procedures approved by provincial and local authorities.

Waste Disposal: Dispose of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations. Do not dispose of waste with normal garbage or to sewer systems.

SECTION 14: TRANSPORT INFORMATION

Canadian TDG classification: Not regulated.

Transportation Emergency Telephone Number: 613-787-5620.

Special Precautions: None known.

Marine Pollutant: Classified as a marine pollutant.

SECTION 15: REGULATORY INFORMATION

WHMIS Classification: This product is registered under the *Pest Control Product Act* and is exempt from the requirements of WHMIS

Domestic Substance List (DSL): All ingredients are listed on the DSL

CEPA – National Pollutant Release Inventory: Not listed on the NPRI

SECTION 16: OTHER INFORMATION

The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Norac Concepts Inc. will not be liable for any damages, losses, injuries or consequential damages which may result from the use of or reliance on any information contained herein.

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