



Material Safety Data Sheet

Falgro

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Falgro

Norac Concepts Inc.
P.O. Box 31097, Guelph, ON N1H 8K1
519-821-3633

Emergency telephone number: All hours, 613-787-5620, **ONLY** for health and environmental information.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients	% (w/w)	ACGIH TLV	CAS No.
Non-hazardous ingredients			

Synonyms: None.

Chemical name: Gibberellic acid: 2,4a,7-trihydroxy-1-methyl-8-methylenegibb-3-ene-1,10-dicarboxylic acid-1,4a-lactone.

Chemical family: Carboxylic acid.

Product use: Agricultural plant growth regulator.

Registration number: 27653 Pest Control Products Act.

3. HAZARDS IDENTIFICATION

Summary: Hazardous properties of all ingredients have been considered in the preparation of this MSDS. Read the entire MSDS for the complete hazard evaluation of this product.

Emergency overview: May be irritating to the eyes, skin and respiratory tract.

4. FIRST AID MEASURES

Inhalation: Move victim to fresh air. Give artificial respiration **ONLY** if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing **AND** no pulse. Obtain medical advice **IMMEDIATELY**.Skin contact: Flush skin with running water for a minimum of 20 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention **IMMEDIATELY**.Eye contact: Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention **IMMEDIATELY**.Ingestion: If victim is alert and not convulsing, rinse mouth out and give 200-300 mL (1 cup) of water to dilute material. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Obtain medical attention **IMMEDIATELY**.

5. FIRE AND EXPLOSION HAZARD DATA

Flash point: Not applicable.

Autoignition temperature: No data.

Flammable limits (lower): Not applicable.

Flammable limits (upper): Not applicable.

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.

Fire-fighting procedures: 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.

Other fire and explosion hazards: None known.

6. ACCIDENTAL RELEASE MEASURES

Spills, leaks or releases: Wear personal protective equipment. For release to land, stop any further release and spread of contamination, wash hard surfaces with detergent and water, then absorb with suitable absorbent. For release to water, stop any further release and utilize damming and/or water diversion to minimize the spread of contamination. Collect the spilled material, any contaminated soil, water and absorbent, then place in a waste container for proper disposal. Notify applicable government authority if release is reportable or could adversely affect the environment.

Deactivating chemicals: None known.

7. HANDLING AND STORAGE INFORMATION

Handling procedures: Use only with adequate ventilation and avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment. Wash thoroughly after use. If clothing becomes contaminated, wash thoroughly before re-use.

Storage requirements: Store in a cool, well-ventilated area. Keep out of reach of children and pets.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection: Use chemical safety goggles when there is a potential for eye contact.

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

Respiratory protection: NIOSH/MSHA-approved respirator equipped with pesticide cartridges, if required.

Other protective equipment: Eye wash station.

Engineering controls: Provide local exhaust and/or adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to off-white tablets.

Odour: Very slight acidic odour.

Boiling point: No data.

Melting point: No data.

Solubility (water): Soluble.

Solubility (other): Not available.

pH: Not available.

% volatile: Not applicable.

Evaporation rate (ether=1): Not applicable.

Vapour pressure (mm Hg at 20°C): Not applicable.

Vapour density (air=1): Not applicable.

10. STABILITY AND REACTIVITY DATA

Chemical stability: Stable at room temperature.

Hazardous polymerization: Will not occur.

Conditions to avoid: Keep away from heat sources and elevated temperatures. Prolonged exposure with humid air will cause release of carbon dioxide.

Incompatibility with other substances: Avoid alkaline materials. Slowly decompose in water. Tablets will effervesce on contact with water, releasing carbon dioxide.

Hazardous decomposition products: Thermal decomposition may produce carbon oxides and possibly irritating gases.

11. TOXICOLOGICAL INFORMATION

Summary: May be irritating to eyes, skin and the respiratory system.

Toxicological data

Gibberellic acid

Oral LD₅₀ (rat) = > 5000 mg/kg

Dermal LD₅₀ (rabbit) = >2000 mg/kg

Inhalation: High concentrations of dust from this product may cause irritation to the respiratory tract.

Skin contact: Prolong and repeated contact may cause slight skin irritation.

Eye contact: May cause moderate irritation to the eyes.

Ingestion: Non toxic. May cause irritation of the gastrointestinal tract.

Subchronic effects: 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 that this product has mutagenic potential.

Reproductive effects: No information is available and no adverse reproductive effects are anticipated.

Teratogenicity: No information is available and no adverse teratogenic effects are anticipated.

12. ECOLOGICAL INFORMATION

Ecotoxicological information: Not available.

Environmental effects: Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.

Persistence and Degradation: Degrades rapidly under biological conditions.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

TDG classification: Not regulated.

Transportation Emergency Telephone Number: 613-787-5620.

15. REGULATORY INFORMATION

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

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. This Material Safety Data Sheet is valid for three years.

Prepared by: Norac Concepts Inc.

