


SAFETY DATA SHEET

24 HOUR EMERGENCY TELEPHONE CANUTEC 613-996-6666

1. Identification of the substance/preparation and company/undertaking:	
Product identifier:	Florgib®4L
Recommended use:	Plant growth regulator
PCPA Reg. No.:	29884
Manufactured by:	Fine Americas, Inc. 1850 Mt. Diablo Blvd., Ste. 405, Walnut Creek, CA 94596, USA Tel: 925-932-8800 For Fine Agrochemicals, Ltd. Hill End House, Whittington, Worcester, WR5 2RQ, UK Tel: + 44-1905-361800
Distributed by:	N.M. Bartlett Inc. 4509 Bartlett Rd, Beamsville, Ontario, L0R 1B1, Canada Tel: 905-563-8261
2. Hazard(s) identification:	
Caution Flammable. Warning Eye Irritant	
3. Composition/information on ingredients:	
Chemical name and concentration:	Soluble concentrate containing 4% w/wgibberellic acid pure (GA ₃)
CAS No:	77-06-5 (active ingredient)
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 centre or doctor. Do not give anything by mouth to an unconscious person
If in eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre 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 by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.
5. Fire fighting measures:	
Extinguishing media:	Use water mist, fog, CO ₂ , foam and/or dry powder
Specific hazards:	Flammable liquid and vapor. Products of combustion: Carbon compounds.
Protective equipment:	Wear full protective clothing and self-contained breathing apparatus.
6. Accidental release measures:	
Personal precautions:	See Section 8 "Exposure controls/personal protection". Keep away from sources of ignition.
Methods for cleaning up:	For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
7. Handling and storage:	
Precautions for safe handling:	Causes eye irritation. DO NOT get in eyes. Wash hands after using product.
Storage:	Avoid contamination of seed, feed and foodstuffs. Keep container closed when not in use.

8. Exposure controls/personal protection:	
Exposure limit:	No applicable information available.
Engineering controls:	No applicable information available.
Individual protection measures:	Wear long pants, a long-sleeved shirt, shoes plus socks and eye protection during mixing/loading, application, clean-up and repair activities. In addition, wear chemical-resistant gloves during mixing/loading, clean-up and repair activities. Do not re-enter or allow re-entry into treated areas until 12 hours after application.
9. Physical and chemical properties:	
Appearance:	Clear faintly straw colored liquid
Odor:	Alcoholic
Odor threshold:	No applicable information available.
pH (50% v/v solution) in water:	3-4
Melting point/freezing point:	No applicable information available.
Boiling point:	82°C
Flash point:	13°C (closed cup)
Evaporation rate:	No applicable information available.
Flammability:	Flammable
Explosive limits:	Lower explosive limit in air: 2.5% (solvent) Upper explosive limit in air: 12.7% (solvent) Formulated product shows no evidence of possessing explosive properties
Vapor pressure:	4.4 kPa
Vapor density:	No applicable information available.
Relative density:	0.803 g/ml
Solubilities:	
Water solubility @20°C:	Soluble at all concentrations
Fat solubility:	No applicable information available.
Partition coefficient:	No applicable information available.
Auto-ignition temperature:	No applicable information available.
Decomposition temperature:	No applicable information available.
Viscosity:	3.4503 mm ² /s
10. Stability and reactivity:	
Reactivity:	No applicable information available.
Chemical stability:	Stable in original containers for at least 2 years at ambient temperatures.
Possibility of hazardous reactions:	No applicable information available.
Conditions to avoid:	Excessive heat and direct sunlight. Keep away from sources of ignition.
Incompatible materials:	Incompatible with strong oxidizing agents.
Hazardous decomposition products:	None under normal conditions of storage and use.
11. Toxicological information:	
Routes of exposure/acute toxicity	
Oral:	LD ₅₀ Rat: >5050 mg/kg
Inhalation:	LC ₅₀ Rat >5.23 mg/l
Dermal:	LD ₅₀ Rabbit: >2020 mg/kg
Irritation	
Eye:	Highly irritant (Category II)
Skin:	Slight (Category IV)
Respiratory tract:	Studies have revealed no observable abnormalities
Sensitization	
Skin:	Non-sensitizing
Carcinogenicity:	None (active ingredient)
Mutagenicity:	None (active ingredient)
Reproductive Toxicity:	No applicable information available.
Chronic Toxicity:	No applicable information available.
NTP/IARC/OSHA listing(s):	No applicable information available.
12. Ecological information:	
Ecotoxicity:	• Fish: EC ₅₀ (72h)>100 mg ai/l; NOEC≥100 mg/l

	<ul style="list-style-type: none"> • Daphnia: EC₅₀ (72h)>100 mg ai/l; NOEC≥100 mg/l • Algae: EC₅₀ (72h)>100 mg ai/l; NOEC≥100 mg/l • Lemna: EC₅₀ (72h)>100 mg ai/l; NOEC≥100 mg/l • Bird: LD₅₀ > 2250 mg/kg <i>Colinus virginianus</i>(active ingredient) • Beneficials:EC₅₀ (72h)>100 mg ai/l; NOEC≥100 mg/l • Bee: LD₅₀ (contact and oral 48h)>200µg/bee
Mobility:	No applicable information available.
Persistence and degradability:	Active ingredient is non-toxic and degrades rapidly under biological conditions.
Bioaccumulation potential:	No applicable information available.
13. Disposal considerations:	
<p>Pesticide disposal: For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.</p> <p>Container disposal: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site: Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Make the empty, rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.</p>	
12. Transport information:	
UN/TDG (Canada) number:	1993
NMFC number:	43940.2
Class:	085 (US)/3 (Canada)
Proper shipping name:	Flammable liquid n.o.s. (contains isopropanol)
Packaging group:	II
Marine Pollutant:	No
13. Regulatory information:	
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.	
Chemical name:	Gibberellic Acid
Signal words:	Caution Flammable. Warning – Eye Irritant
Symbol:	
14. Other information:	
For further information on the product and product use, refer to the product label. This version supersedes all previous versions. Prepared by Fine Americas, Inc. on the basis of the best available data. No representation is given that the information provided is complete in all respects.	
Revision date: 2/18/15	