


SAFETY DATA SHEET

1. Identification:		
Product Identifier:	Falgro® OD	
Other Means of Identification:	EPA registration number 62097-49-82917	
Distributed by:	Fine Americas, Inc. 1850 Mt. Diablo Blvd., Suite 405, Walnut Creek, CA 94596, USA Tel: 925-932-8800	
Emergency Phone Number:	Chemtrec 1-800-424-9300 (24 hours)	
Recommended Use:	Plant growth regulator solution	
Restrictions on Use:	Keep out of reach of children	
2. Hazard(s) Identification (This product is classified as hazardous as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):		
Class/Category:	Eye damage category I – H318	
Route of Exposure:	Most likely Oral and Dermal	
Hazards Not Otherwise Classified:	None	
Signal word:	DANGER	
Symbol(s):		
Hazard Statements:	H318 Causes serious eye damage	
Precautionary Statements:	Prevention: P280: Wear protective gloves/protective clothing/eye protection/face protection Response: P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P310: Immediately call a poison center/doctor Storage: Disposal:	
3. Composition:		
This product contains the following components classified as hazardous under 29 CFR 1910.1200		
CAS number:	Component:	Percent:
77-06-5	Gibberellic acid (GA ₃)	15.0%
577-11-7	Sodium dioctyl sulphosuccinate	7.3%
9004-98-2	Fatty alcohol ethoxylate	3.0%
9002-92-0	Ethoxylated fatty alcohol	7.3%
The remainder of the mixture is not required to be disclosed by 29 CFR 1910.1200.		
4. First Aid Measures:		
Inhalation:	Remove patient to fresh air, allow to rest and keep warm. Get medical attention if symptoms persist.	
Skin:	Remove contaminated clothing and wash before reuse. Wash skin with soap and water for several minutes. Get medical attention if symptoms persist.	
Eyes:	Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open. Get medical attention.	
Ingestion:	DO NOT induce vomiting! Rinse mouth out and then drink plenty of water. Get medical attention if discomfort occurs.	
Symptoms/Effects:	Acute: Causes eye irritation Delayed: Unknown	

Indication of immediate medical attention and special treatment needed, if necessary:	No available information
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5. Fire Fighting Measures:

Extinguishing Media:	Suitable: Water, foam, carbon dioxide or dry powder. Unsuitable:
Specific Hazards Arising from the Chemical:	None
Protective Equipment and Precautions for Firefighters:	Wear protective gloves/protective clothing/eye protection/face protection

6. Accidental Release Measures:

Personal Precautions, Protective Equipment and Emergency Procedures:	Wear suitable protective clothing, gloves, safety goggles. Refer to Section 8 "Exposure Controls/Personal Protection"
Methods for Containment and Clean-Up:	On soil - Contain/absorb with non-combustible absorbent material (eg, sand, earth, vermiculite, chemical absorbent) and place in suitable, closable container for safe disposal. On water – None known, inform relevant authorities. See also Section 13. Disposal Considerations.
Other Information:	US Regulations may require reporting of spills of hazardous materials. See Section. 15 Regulatory Information for details on reportable quantities, if any.

7. Handling and Storage:

Precautions for Safe Handling:	Use personal protective equipment, see Section 8. Avoid contact with skin and eyes. Do not ingest. Do not inhale spray or vapours. Do not eat, drink or smoke whilst handling this material. Avoid sources of ignition.
Conditions for Safe Storage:	Keep in original containers in cool well ventilated place. Keep containers tightly closed when not in use. See also Section 10. Stability and Reactivity.

8. Exposure Controls/Personal Protection:

Component Exposure Limits:					
Substance	OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH TLV
	ppm	Mg/m3	8-hr TWA (ST) STEL (C) Ceiling	Up to 10 hr TW (ST) STEL (C) Ceiling A	8-hr TWA (ST) STEL (C) Ceiling

Appropriate Engineering Controls:	No applicable information available.
Personal Protective Equipment:	Respiratory protection - Wear particle filter such as EN143 fitted with P-SL filter if exposure to high levels of material is likely.. Skin protection - Laboratory coat or overalls. Eye protection - Chemical goggles or full face visor. Hand protection - Latex, Nitrile or Butyl rubber gloves (break-through times can vary depending on thickness, use and source. Change gloves regularly). General hygiene - Do not eat, drink, or smoke while using this product. Immediately take off any contaminated clothing and launder before re-use. Wash hands and / or face before breaks and at the end of the shift.

9. Physical and Chemical Properties:

Appearance:	White opaque suspension – oil dispersion in water
Odor:	Not determined
Odor Threshold:	No data available.
pH: (1% solution)	3.3

Melting Point/Freezing Point:	No data available
Boiling Point:	Not applicable
Flash Point:	392°F (200°C)
Evaporation Rate:	Not applicable
Flammability/Limits:	Not flammable LFL: UFL:
Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	1.005 g/cm ³
Solubility (H₂O):	No data available
Partition Coefficient:	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	At 20°C – 275mPas @100sec-1, 475mPas@10sec-1 At 40°C – 170mPas @100sec-1, 439mPas@10sec-1

10. Chemical Stability and Reactivity Information:

Reactivity:	Stable product under recommended storage and handling conditions.
Chemical Stability:	Stable product under recommended storage and handling conditions.
Possibility of Hazardous Reactions:	Stable product under recommended storage and handling conditions.
Conditions to Avoid:	Protect from high temperatures.
Incompatible Materials:	Avoid accidental contact with strong alkaline solutions or oxidizing materials.
Hazardous Decomposition Products:	None known.

11. Toxicological Information:

Likely Routes of Exposure:	Contact with skin and eyes or by inhalation of spray.
Symptoms:	Inhalation: Studies have revealed no observable abnormalities Eye: Irritation, reversible after 17days Skin: minimal irritation Ingestion: No information available
Acute Toxicity:	Oral: LD ₅₀ Rat >5000 mg/kg (EPA Cat IV) Inhalation: LC ₅₀ Rat >2.1 mg/l (EPA Cat IV) Dermal: LD ₅₀ Rabbit >5050 mg/kg (EPA Cat IV)
Skin Corrosion/Irritation:	minimal irritation (EPA Cat IV)
Serious Eye Damage/Eye Irritation:	Irritating to eyes (EPA Cat II)
Sensitization:	Non-sensitizing (Buehler)
Germ Cell Mutagenicity:	None (active ingredient)
Carcinogenicity:	None of the components of this product are listed as carcinogens by NTP, IARC or OSHA.
Reproductive/Developmental Toxicity:	No data available.
Specific Target Organ Toxicity:	Single Exposure: No data available Repeated Exposure: No data available

12. Ecological Information:

Ecotoxicity: Not tested, but not expected to be hazardous to the environment based on classification of individual components.			
Species:		Exposure Time	LC50/EC50/IC50
No data available			
Persistence and Degradability:	No data available		
Bioaccumulation Potential:	No data available		
Mobility in Soil:	No data available		
Other Adverse Effects:	None known		

13. Disposal Considerations:

Disposal Instructions:	Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.
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14. Transport Information:

UN Proper Shipping Name:	Not applicable
Hazard Class:	Not applicable
UN Number:	Not applicable
Packing Group:	Not applicable
Marine Pollutant:	Not applicable
NMFC Number/Class:	101685/065 Plant growth inhibitor, modifier or regulator, NOIBN

15. Regulatory Information:

SARA: No listed components	
CERCLA:	No components reportable
TSCA:	All components of this product are either listed or are exempt on the TSCA inventory. The following components of this product are subject to the reporting requirements of Section 12(b) of TSCA: None

Component Analysis – State:

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
None Listed							

California Prop 65: No component listed

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

EPA signal word: WARNING

Classifications under 40 CFR 156.63 are given in sections 9 and 11 where applicable

Precautionary Statements:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear such as goggles, face shield, or safety glasses. Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin and breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Pictograms/Symbols: None

16. Other Information:

Fine Agrochemicals Limited ("FINE") warrants that this Product conforms to the specifications on this label. To the extent consistent with applicable law, FINE makes no other warranties and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. No agent of FINE or any other person is authorized to make any representation or warranty beyond those contained herein.

It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance, or other unintended consequences may result because of factors such as abnormal weather conditions, use of the Product other than in strict accordance with this label's instructions, presence of other materials, the manner of application or other factors, all of which are beyond the control of FINE or the seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

Product: Falgro OD
Issue Date: 4/9/18
Version: 1



To the extent consistent with applicable law: 1) FINE disclaims any liability whatsoever for special, incidental or consequential damages resulting from the handling or use of this Product and 2) FINE's liability under this label shall be limited to the amount of the purchase price or, at the election of FINE, the free replacement of the Product.

Issue Date/Version:	4/9/18 version 1
Supersedes:	Not applicable