

SAFETY DATA SHEET

1. Identification:		
Product Identifier:	Novagib® 5L	
Other Means of Identification:	EPA registration number 62097-47-82917	
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 for use on apples and sweet cherries	
Restrictions on Use:	Keep out of reach of children	
2. Hazard(s) Identification (This product is not classified as hazardous as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):		
Class/Category:	Not Classified	
Route of Exposure:	Oral Dermal	
Hazards Not Otherwise Classified:	None known	
Signal word:	Not applicable	
Symbol(s):	None	
Hazard Statements:	None	
Precautionary Statements:	None	
3. Composition:		
This product contains the following components classified as hazardous under 29 CFR 1910.1200		
CAS number:	Component:	Percent:
8030-53-3	Gibberellins A ₄ and A ₇ (GA4/7)	5%
56-81-5	Glycerol	5-15%
194491-13-1	EDTA tetra sodium dehydrate	0.8%
99-76-3	Paraben	0.1%
7601-54-9	Sodium phosphate tribasic	1%
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.	
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: Causes eye irritation	
Indication of immediate medical attention and special treatment needed, if necessary:	None other than above	
5. Fire Fighting Measures:		
Extinguishing Media:	Suitable: Water, foam, carbon dioxide or dry powder. Unsuitable: None	
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	Refer to Section 8 "Exposure controls/personal protection".	

Procedures:	
Methods for Containment and Clean-Up:	In case of spillage use absorbent materials. Isolate spilled material for safe disposal and collect in sealable poly-lined containers. Ventilate area. Clean contaminated area with water. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. See also Section 13. Disposal Considerations

7. Handling and Storage:

Precautions for Safe Handling:	Users should wash hands before eating, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
Conditions for Safe Storage:	Keep containers tightly closed when not in use. Store below 75°F (24°C). See also Section 10. Stability and Reactivity.

8. Exposure Controls/Personal Protection:

Component Exposure Limits:					
Substance	OSHA PEL		Ca/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
Glycerol			PNOR (10mg/m3)	-	-
Appropriate Engineering Controls:	Ensure good ventilation. Arrange for eye wash possibility.				
Personal Protective Equipment:	<ul style="list-style-type: none"> - 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: Nitrile rubber gloves (break-through times can vary depending on thickness, use and source. Change gloves regularly) 				

9. Physical and chemical properties:

Appearance:	Clear red liquid
Odor:	No discernible odour
Odor Threshold:	No applicable
pH:	7.2 at 1% concentration
Melting Point/Freezing Point:	Not applicable
Boiling Point:	>212°F (100°C)
Flash Point:	>212°F (100°C)
Evaporation Rate:	Not applicable
Flammability/Limits:	Not Flammable LFL: not applicable UFL: not applicable
Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	1.07-1.10
Solubility (H₂O):	Miscible
Partition Coefficient:	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	3 mm ² /s at 20°C, 2 mm ² /s at 40°C

10. Chemical Stability and Reactivity Information:

Reactivity:	Stable product under recommended storage and handling conditions.
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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 and sources of ignition.
Incompatible Materials:	Avoid accidental contact with strong acidic or alkaline solutions or oxidising 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: Eye: Skin: Ingestion:
Acute Toxicity:	Oral: LD50 (rat) >5000 mg/kg (EPA category IV). Inhalation: LC50 (rat) >5.15 mg/L (EPA category VI) Dermal: LD50 (rat) >5050 mg/kg (EPA category IV).
Skin Corrosion/Irritation:	None irritant (rabbit) (EPA category IV).
Serious Eye Damage/Eye Irritation:	None irritant (rabbit) (EPA category IV).
Sensitization:	Not sensitizing (Guinea pig).
Germ Cell Mutagenicity:	No evidence of mutagenic effects.
Carcinogenicity:	None of the components of this product are listed as carcinogens by NTP, IARC or OSHA. No evidence of carcinogenic effects.
Reproductive/Developmental Toxicity:	No evidence of reproductive toxicity effects.
Specific Target Organ Toxicity:	Single Exposure: No data available Repeated Exposure: No data available

12. Ecological Information:

Ecotoxicity:		
Species:	Exposure Time	LC50/EC50/IC50
Fish		No data available
Daphnia		No data available
Algae		No data available
Bee		No data available
Beneficials		No data available
Earthworm		No data available
General – By comparison to similar products, this product is expected to be non-hazardous to the environment		
Persistence and Degradability:	No data available on product. Most ingredients degradable.	
Bioaccumulation Potential:	No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	None known	

13. Disposal Considerations:

Disposal Instructions:	Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container disposal: Nonrefillable container. Do not reuse or refill this container. 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 a 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						
Packaging Group:	Not applicable						
Marine Pollutant:	Not applicable						
NMFC number/class:	101685/065 Plant growth inhibitor, modifier or regulator, NOIBN						
15. Regulatory Information:							
SARA: No reportable components							
CERCLA:	7601-54-9 reportable (RQ 5,000)						
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
No component listed							
California Prop 65:	No listings						
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:	CAUTION						
Classifications under 40 CFR 156.63 are given in sections 9 and 11 where applicable							
Precautionary Statements:	HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wear chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.						
Pictograms/Symbols:	None						
16. Other Information:							
<p>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.</p> <p>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.</p> <p>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.</p>							
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Supersedes:	Not applicable						