


## SAFETY DATA SHEET

1. Identification:		
<b>Product Identifier:</b>	Advocate	
<b>Other Means of Identification:</b>	EPA registration number 62097-58-82917	
<b>Distributed by:</b>	Fine Americas, Inc. 1850 Mt. Diablo Blvd., Suite 405, Walnut Creek, CA 94596, USA Tel: 925-932-8800	
<b>Emergency Phone Number:</b>	Chemtrec 1-800-424-9300 (24 hours)	
<b>Recommended Use:</b>	Plant growth stimulant for use by foliar and basal methods on plants that can be propagated from cuttings. Use on annual, perennial, and woody ornamental plant cuttings.	
<b>Restrictions on Use:</b>	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):		
<b>Class/Category:</b>	Eye irritant category 2A, Skin sensitization 1B	
<b>Route of Exposure:</b>	Most likely exposure routes are dermal and oral.	
<b>Hazards Not Otherwise Classified:</b>	None known	
<b>Signal word:</b>	Warning	
<b>Symbol(s):</b>		
<b>Hazard Statements:</b>	H319 – Causes serious eye irritation H317 - May cause an allergic reaction	
<b>Precautionary Statements:</b>	P261 – Avoid breathing fumes/gas/mist/vapour/spray. P264 – Wash hands thoroughly after handling. P272 – Contaminated clothing must not be allowed out of the workplace. P280 – Wear protective gloves/eye protection/face protection. P302+352 – IF on skin: Wash with plenty of water P305+351+318 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P333+313 – If skin irritation or rash occurs: Get medical advice/attention. P337+313 – If eye irritation persists: Get medical advice/attention P363 – Wash contaminated clothing before reuse. P501 – Dispose of contents/container in accordance with local/state/national regulations.	
3. Composition:		
This product contains the following components classified as hazardous under 29 CFR 1910.1200		
<b>CAS number:</b>	<b>Component:</b>	<b>Percent:</b>
1174627-68-9	Solvent	60-70%
133-32-4	Indole-3-butyric acid	20%
128-37-0	Butylated hydroxytoluene	0.05
The remainder of the mixture is not required to be disclosed by 29 CFR 1910.1200.		
4. First Aid Measures:		
<b>Inhalation:</b>	Remove patient to fresh air, allow to rest and keep warm.	
<b>Skin:</b>	Remove contaminated clothing and wash before reuse. Wash skin with soap and water for several minutes. Get medical attention if symptoms arise and persist.	

<b>Eyes:</b>	Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open. Get medical attention if symptoms arise and persist.				
<b>Ingestion:</b>	DO NOT induce vomiting! Rinse mouth out and then drink plenty of water. Get medical attention if discomfort occurs.				
<b>Symptoms/Effects:</b>	Acute: Eye irritation, may cause mild, transient skin irritation Delayed: Eye irritation, weak skin irritation / sensitization				
<b>Indication of immediate medical attention and special treatment needed, if necessary:</b>	None other than above.				
<b>5. Fire Fighting Measures:</b>					
<b>Extinguishing Media:</b>	Suitable: Water, foam, carbon dioxide or dry powder. Unsuitable: None				
<b>Specific Hazards Arising from the Chemical:</b>	None				
<b>Protective Equipment and Precautions for Firefighters:</b>	As required for surrounding fire. Prevent fire-fighting water entering watercourses or ground-water.				
<b>6. Accidental Release Measures:</b>					
<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	See Section 8 "Exposure controls/personal protection"				
<b>Methods for Containment and Clean-Up:</b>	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.				
<b>7. Handling and Storage:</b>					
<b>Precautions for Safe Handling:</b>	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.				
<b>Conditions for Safe Storage:</b>	Keep in original containers in cool well ventilated place. Keep containers tightly closed when not in use.				
<b>8. Exposure Controls/Personal Protection:</b>					
<b>Component Exposure Limits:</b>					
<b>Substance</b>	<b>OSHA PEL</b>		<b>Cal/OSHA PEL</b>	<b>NIOSH REL</b>	<b>ACGIH TLV</b>
	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
No component listed.	-	-	-	10mg/m <sup>3</sup>	
<b>Appropriate Engineering Controls:</b>	Ensure good ventilation. Arrange for eye wash possibility.				
<b>Personal Protective Equipment:</b>	Not normally necessary but in case of frequent or prolonged use wear equipment specified below. Always check applicability with your supplier of protective equipment. Respiratory: Wear particle filter such as EN143 fitted with P-SL filter if exposure to high levels of material is likely. Skin: Laboratory coat or overalls. Eye: Chemical goggles or full face visor. Hand: Nitrile rubber or PVC gloves (break-through times can vary depending on thickness, use and source. Change gloves regularly) General: 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.				
<b>9. Physical and chemical properties:</b>					
<b>Appearance:</b>	Clear Pale brown liquid				

<b>Odor:</b>	None
<b>Odor Threshold:</b>	Not applicable
<b>pH:</b>	3.7 (1% solution)
<b>Melting Point/Freezing Point:</b>	Not determined
<b>Boiling Point:</b>	>392°F (>200°C)
<b>Flash Point:</b>	> 212°F (>100°C)
<b>Evaporation Rate:</b>	Not determined
<b>Flammability/Limits:</b>	Not flammable LFL: not applicable UFL: not applicable
<b>Vapor Pressure:</b>	Not determined
<b>Vapor Density:</b>	Not determined
<b>Relative Density:</b>	1.094 g/ml
<b>Solubility (H<sub>2</sub>O):</b>	Soluble
<b>Partition Coefficient:</b>	Not determined
<b>Auto-Ignition Temperature:</b>	Not determined
<b>Decomposition Temperature:</b>	Not determined
<b>Viscosity:</b>	At 68°F = 257mPa @10s <sup>-1</sup> , 257mPa @ 100s <sup>-1</sup> At 104°F = 39mPa @10s <sup>-1</sup> , 39mPa @ 100s <sup>-1</sup>
<b>10. Chemical Stability and Reactivity Information:</b>	
<b>Reactivity:</b>	Stable under recommended storage and handling conditions.
<b>Chemical Stability:</b>	Stable under recommended storage and handling conditions.
<b>Possibility of Hazardous Reactions:</b>	Stable under recommended storage and handling conditions.
<b>Conditions to Avoid:</b>	Protect from high temperatures and sources of ignition.
<b>Incompatible Materials:</b>	Avoid accidental contact with strong acidic or alkaline solutions or oxidizing materials.
<b>Hazardous Decomposition Products:</b>	None known
<b>11. Toxicological Information:</b>	
<b>Likely Routes of Exposure:</b>	Contact with skin and eyes or by inhalation of spray.
<b>Symptoms:</b>	Inhalation: No data available Eye: irritant Skin: Slight irritant Ingestion: No data available
<b>Acute Toxicity:</b>	Oral: (rat) >5000 mg/kg (EPA category IV) Inhalation: (rat) >5.22 mg/l (EPA category IV) Dermal: (rat) >5050 mg/kg (EPA category IV)
<b>Skin Corrosion/Irritation:</b>	Slight irritant. (rabbit) (EPA category IV)
<b>Serious Eye Damage/Eye Irritation:</b>	irritant. (rabbit) (EPA category II)
<b>Sensitization:</b>	Weak sensitizer (mouse Lymph node assay)
<b>Germ Cell Mutagenicity:</b>	Not classified. No classified components
<b>Carcinogenicity:</b>	None of the components of this product are listed as carcinogens by NTP, IARC or OSHA.
<b>Reproductive/Developmental Toxicity:</b>	Not classified. No classified components
<b>Specific Target Organ Toxicity:</b>	Single Exposure: Not classified. No classified components Repeated Exposure: Not classified. No classified components
<b>12. Ecological Information:</b>	
<b>Ecotoxicity:</b>	No data available
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulation Potential:</b>	No data available.
<b>Mobility in Soil:</b>	Not determined.

<b>Other Adverse Effects:</b>	None known						
<b>13. Disposal Considerations:</b>							
<b>Disposal Instructions:</b>	Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container disposal: 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 and drain for 10 seconds after the flow begins to drip. 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, if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.						
<b>14. Transport Information:</b>							
<b>UN Proper Shipping Name:</b>	Not applicable						
<b>Hazard Class:</b>	Not applicable						
<b>UN Number:</b>	Not applicable						
<b>Packaging Group:</b>	Not applicable						
<b>Marine Pollutant:</b>	Not applicable						
<b>NMFC number/class:</b>	101685/065 Plant growth inhibitor, modifier or regulator, NOIBN						
<b>15. Regulatory Information:</b>							
<b>SARA:</b> No reportable components							
<b>CERCLA:</b>	No reportable components						
<b>TSCA:</b>	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						
<b>Component Analysis – State:</b> The following components appear on one or more of the following state hazardous substances lists:							
<b>Component</b>	<b>CAS</b>	<b>CA</b>	<b>MA</b>	<b>MN</b>	<b>NJ</b>	<b>PA</b>	<b>RI</b>
Butylated hydroxytoluene	128-37-0	✓	-	✓	✓	✓	✓
<b>California Prop 65:</b>							
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.							
<b>EPA signal word:</b>	WARNING						
Classifications under 40 CFR 156.63 are given in sections 9 and 11 where applicable							
<b>Precautionary Statements:</b>	KEEP OUT OF REACH OF CHILDREN.						
<b>Pictograms/Symbols:</b>	None						
<b>16. Other Information:</b>							
<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>							

Product: Advocate  
Issue Date: 1/13/20  
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.

<b>Issue Date/Version:</b>	1/13/20 Version 1
<b>Supersedes:</b>	Not applicable