

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: **DART Fungicide EC, EPA Reg. No. 51517-11**
MANUFACTURER'S NAME: SAN Group Biotech USA, Inc.
ADDRESS: 1260 Avenida Chelsea, Vista, CA 92081
TELEPHONE NO.: (800) 876-2767
POISON CONTROL TELEPHONE: (800) 222-1222
COMPOSITION: Fatty Acids (Caprylic-Capric Acids)
RECOMMENDED USE: A Liquid Fungicide Concentrate For Agricultural Use.

2. HAZARD IDENTIFICATION

CLASSIFICATION: Acute toxicity, inhalation - **Category 5**
 Skin corrosion/irritation - **Category 3**
 Causes Eye Irritation - **Category 2B**

PICTOGRAM: **NONE**

SIGNAL WORD: **WARNING**

HAZARD STATEMENT: H303: May be harmful if swallowed
 H320: Causes eye irritation.
 H313: May be harmful in contact with skin
 H333: May be harmful if inhaled

PRECAUTIONARY STATEMENT: P102: Keep out of reach of children.
 P103: Read label before use
 P363: Wash contaminated clothing before reuse
 P280: Wear protective eye protection.
 P264: Wash hands thoroughly after handling.
 For additional response information refer to First Aid Section #4 of this SDS.

OTHER HAZARDS: **DART Fungicide EC** does not contain toxic chemicals in concentrations subject to the reporting requirements of OSHA or Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 or 40 CFR Part 372.

3. COMPOSITION INFORMATION

COMPOSITION	Concentration %	CAS Number
Caprylic Acid	41.7%	124-07-2
Capric Acid	28.3%	334-48-5
Inert Ingredients	30.0%	N/A

4. FIRST AID MEASURES

If on Skin OR Clothing:	Remove contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
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, and then continue rinsing. Call a poison control center or doctor for treatment advice.
If Inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration. Call poison control center or doctor for treatment advice.
If Swallowed:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

NOTES TO PHYSICIAN: Treat patient symptomatically.

5. FIRE-FIGHTING MEASURES

GENERAL INFORMATION: THIS PRODUCT IS NOT FLAMMABLE

FLASH POINT: N/A

TEST METHOD: N/A

EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: N/A

AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE: This product is not flammable

UNUSUAL FIRE AND EXPLOSION HAZARD: N/A

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Do not touch or walk-through spilled material. Avoid breathing vapor or mist.

Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g., sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

NEUTRALIZING CHEMICALS: N/A

7. HANDLING AND STORAGE

HANDLING REQUIREMENTS:

- Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed.
- Workers should wash hands and face before eating, drinking, and smoking.
- Wear appropriate respirator when ventilation is inadequate.
- Wear face mask or face shield.
- Wear impermeable or chemical resistant gloves.
- Remove contaminated clothing and protective equipment before entering eating areas.
- Do not ingest. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist.

STORAGE REQUIREMENTS:

- **KEEP OUT OF REACH OF CHILDREN.**
- Store in a dry and cool area above freezing and below 95°F and out of direct sunlight.
- Keep in the original container or an approved alternative made from a compatible material.
- Keep container tightly closed when not in use.
- Do not store in unlabeled containers.
- Do not reuse empty containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION REQUIREMENTS: Indoor use - adequate mechanical ventilation

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION: Wear goggles or face shield.

RESPIRATORY PROTECTION: Wear appropriate respirator when ventilation is inadequate. Do not intentionally breathe dust/spray.

HAND PROTECTION: Impermeable or chemical resistant gloves.

OTHER EQUIPMENT: Wear suitable protective clothing, such as face shield or face mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear to light yellow
AND ODOR:	Wax like smell
pH:	3.26 ± 0.5
BOILING POINT, 760 MM HG:	100°C
MELTING POINT:	N/A
FLASH POINT:	>95°C
SPECIFIC GRAVITY (H₂O=1):	0.9502
EVAPORATION RATE (BUTYLACETATE=1):	N/A
FLAMMABLE:	This product is not flammable
VAPOR PRESSURE:	Not known
VAPOR DENSITY (AIR=1):	Not known
SOLUBILITY IN H₂O:	Insoluble
AUTOIGNITION TEMPERATURE:	N/A
% VOLATILES BY VOL:	None

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY DATA

GENERAL INFORMATION:	Stable under recommended storage conditions.	
CORROSIVE:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	STABILITY: <input checked="" type="checkbox"/> stable <input type="checkbox"/> unstable
INCOMPATIBILITY (materials to avoid):	N/A	
HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS:	N/A	HAZARDOUS POLYMERIZATION: N/A

11. TOXICOLOGICAL INFORMATION

TEST	RESULTS	BASIS
ORAL TOXICITY	CATEGORY 5	PRODUCT TEST RESULTS
DERMAL TOXICITY	CATEGORY 5	PRODUCT TEST RESULTS
INHALATION TOXICITY	CATEGORY 5	PRODUCT TEST RESULTS
EYE IRRITATION	CATEGORY 2B	PRODUCT TEST RESULTS
DERMAL IRRITATION	CATEGORY 5	PRODUCT TEST RESULTS

SYMPTOMS OF EXPOSURE

INHALATION:	May be harmful if inhaled.	SKIN CONTACT:	May be harmful in contact with skin.
SKIN ABSORPTION:	May be harmful in contact with skin.	EYE CONTACT:	Causes eye Irritation.
INGESTION:	May be harmful if swallowed.		

EFFECTS OF OVEREXPOSURE

ACUTE OVEREXPOSURE: Expected toxicity none to slight. **CHRONIC OVEREXPOSURE:** Expected toxicity none.

SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists below.
 YES: Federal OSHA NTP IARC Cal/OSHA Prop 65

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: No known significant effects or critical hazards. Do not apply product directly to water or areas where surface water is present. Do not contaminate water when disposing of equipment wash water or rinse.

13. DISPOSAL PROCEDURES

WASTE DISPOSAL METHOD: Follow all applicable Federal, State, and local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

CAUTION: Do not contaminate soil, surface water, drains, sewers, or ditches with product or used containers.

14. TRANSPORT INFORMATION

D.O.T.: Not D.O.T. Regulated.
IATA CLASSIFICATIONS: Substances Not Regulated.
IATA HAZARD CLASS/DIVISION: Substances Not regulated
PACKING MATERIALS: HDPE Containers

15. REGULATORY INFORMATION

EPA REG. NO.: 51517-11
ORGANIC CERTIFICATION: Yes – Organic Materials Review Institute (OMRI)
CALIFORNIA PROP 65: WARNING - This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. www.P65Warnings.ca.gov

SARA TITLE III, SECTION 313 TOXIC CHEMICALS: None.

16. OTHER INFORMATION

All information, recommendations and suggestions appearing herein concerning our products are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, we make no guarantee, expressed or implied, as to the effects of such use, the results to be obtained, or the safety and toxicity of the product; nor do we assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

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PREPARED BY: Ivonne Sanchez, Regulatory/R&D Coordinator at SAN Group Biotech USA, Inc.
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