

## STOP BLOSSOM END ROT OF TOMATOES MATERIAL SAFETY DATA SHEET

### MANUFACTURER

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### I NOMENCLATURE

Product Name: Stop Blossom End Rot of Tomatoes

Chemical Name: Calcium Chloride (CaCl<sub>2</sub> · 2 H<sub>2</sub>O) in water solution

### II INGREDIENTS

Calcium Chloride	CAS # 10043-52-4	31%	ACIGH TLV not established
			OSHA 29 CFR table Z not listed
Hazard Rating: Health (1) Slight	Flammability (O) None		Reactivity (I) slight

### III PHYSICAL PROPERTIES

Boiling Point : >212 <sup>0</sup> F	Specific gravity: (H <sub>2</sub> O=1) 1.28
Vapor pressure (water) 760 @ 100 <sup>0</sup> C	Volatile by volume as water 60%
Solubility in water: Soluble	Reactivity in water: negligible, slightly alkaline
Appearance /Odor: light blue-green liquid practically odorless	
Material crystallizes at approximately -40 <sup>0</sup> F	

### IV FIRE & EXPLOSION DATA

Flash Point: Not flammable	Auto ignition Temp N.A.	Flammable Limits Lower-NA
		Flammable Limits Upper-NA

Unusual Fire an explosion Hazard: Keep containers cool to avoid pressurization.

Extinguishing media: Use media appropriate for surrounding fire.

Toxic gas; Hydrogen Chloride produced

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

### V FIRST AID

**EYE EXPOSURE:** Flush eyes with gentle stream of clean water for 15 minutes, lifting upper and lower lids occasionally while flushing. Get medical attention if irritation occurs.

**SKIN EXPOSURE:** Remove contaminated clothing and wash all exposed skin surfaces thoroughly with soap and water. If irritation develops, see a physician.

**INGESTION:** If person is conscious give large amount of water. Induce vomiting, if medical attention is not immediately available. Get medical attention. Do not give anything by mouth to an unconscious or convulsing person.

**INHALATION:** Remove to fresh air. If effects occur, consult physician immediately.

**SYMPTOMS of OVEREXPOSURE:** May irritate eyes, nose, throat and skin.

### VI HEALTH HAZARD DATA

**INHALATION:** Spray mist may irritate nose, throat, and lungs. When used in combination with pesticides, follow all

label precautions for pesticides used.

Ingestion: LD<sub>50</sub> (Rat): 1000 Mg/Kg (anhydrous calcium chloride).

**SKIN:** May cause skin irritation. Under prolonged contact superficial burns may result. Contact with abraded skin or cuts can cause necrosis.

**EYES:** May irritate or burn eyes.

### VII REACTIVITY

Stable under normal storage conditions.

Materials to avoid: Most common metals. Will slowly corrode brass and aluminum. Wash metal sprayer parts after use. Sulfuric acid will react to produce hydrogen chloride. Methyl vinyl ether will cause a runaway polymerization. Zinc (as with galvanized iron) will yield hydrogen gas which can be explosive.

Conditions to avoid: None. Hazardous decomposition products: Hydrogen chloride

Hazardous polymerization will not occur.

**VIII SPILL OR LEAK**

Contain and absorb. RCRA , Not a listed hazardous waste. Material that can not be used as directed by label should be discarded according to local, state, and Federal regulations.

Hazardous substance (EPA clean water act section 311) not listed.

**IX SPECIAL PROTECTION**

If inhalation of mist is unavoidable, wear a NIOSH approved respirator for mists.

Ventilation; Good ventilation. Mechanical not generally necessary.

To avoid skin contact , wear long sleeved shirt, long pants, impervious gloves and boots.

Solution is damaging to leather.

Safety glasses with side shields or goggles. Do not wear contact lenses while handling.

**X STORAGE**

Store in cool , dry, ventilated area. Do not put leaking or damaged containers into storage.

KEEP OUT OF REACH OF CHILDREN

**XI TRANSPORTATION**

DOT: Not Regulated

Freight class : Manufactured Fertilizer NOI liquid NMFC 68140 sub 6

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.

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