

# SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)



## 1. IDENTIFICATION

**PRODUCT NAME:** RANMAN 400SC Fungicide

**DESCRIPTION:** A liquid fungicide.

**EPA Reg. No.:** 71512-3-88783

**COMPANY IDENTIFICATION:**

**Summit Agro USA, LLC**

240 Leigh Farm Road, Suite 215

Durham, NC 27707

## 2. HAZARD IDENTIFICATION



**WARNING**

Harmful if swallowed



**WARNING**

Very toxic to aquatic life with long lasting effects

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Cyazofamid	4-chloro-2-cyano-N,N-dimethyl-5-p-tolylimidazole-1-sulfonamide	120116-88-3	34.5%

## 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical information.

**IF SWALLOWED:** Call a poison control center or doctor if you feel unwell. Rinse mouth out and have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Wash with plenty of water. Call a poison control center or doctor if you feel unwell. Immediately take off all contaminated clothing and wash before reuse. If skin irritation or rash occurs: call a poison control center or doctor for treatment advice.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**NOTE TO PHYSICIAN:** No specific antidote, treat symptomatically.

## 5. FIREFIGHTING MEASURES

**Flash Point (PMCC):** Not Determined

**Flammable Limits (LFL-UFL):** Not Determined

**Fire and Explosion Hazards:** Thermal decomposition will release irritating gases and fumes (see Section 10).

**Extinguishing Medium:** Foam, CO<sub>2</sub>, dry chemical or water mist. Do not use high-volume water jet.

**Fire Fighting Equipment:** Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

**Fire Fighting Instructions:** Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Dike spill and contain contaminated water / firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

**NFPA Ratings:** Health – 0 / Flammability – 1 / Reactivity - 0

## 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. In case of spill on floor or paved surfaces, mop up and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water. Dike and contain the spill with inert material such as sand, earth, etc. Transfer liquid to containers and solid diking material to separate containers for recovery and disposal.

## 7. HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Do not take internally. Avoid contact with eyes and prolonged contact with skin. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash contaminated clothing before re-use. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Store product in original container in a secured, dry place separate from other pesticides, fertilizer, food and feed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Protective Clothing:** Long sleeved shirt and long pants, chemical resistant gloves and shoes plus socks.

**General:** Some materials that are chemical resistant to this product are made of any waterproof material. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Cream to tan liquid

**Odor:** Slight musty

**Flash Point:** Not determined

**pH:** 6.0 – 6.4

**Specific Gravity:** 1.154 g/cm<sup>3</sup> (9.615 lbs/gal)

**Viscosity:** No information available

**Solubility:** 0.107 mg/L @ pH 7, 20°C

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Excessive heat.

**CHEMICAL STABILITY:** Stable under all normal use and storage conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None when stored and handled as prescribed. Thermal decomposition may release irritating and toxic gasses and vapors.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Iron and aluminum.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** > 5,000 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 2,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** 5.9 mg/L (4-hour)

**EYE IRRITATION:** Non-irritating

**SKIN IRRITATION:** Non-irritating

**SKIN SENSITIZATION:** Not a contact sensitizer

**CARCINOGENICITY:** Not carcinogenic in a lifetime feeding study using rats and mice.

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**REPRODUCTIVE TOXICITY:** No evidence in animal studies.

## 12. ECOLOGICAL INFORMATION

Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. This pesticide is toxic to vascular plants and should be used strictly in accordance with the drift and run-off precautions on the label in order to minimize off-site exposures. Under some conditions, this product may have a potential to run-off to surface water or adjacent land.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Improper disposal of excess pesticide, spray mixture or rinsate is prohibited. If these wastes cannot be disposed of by use according to the label instructions, contact appropriate disposal authorities for guidance.

**CONTAINER DISPOSAL:** Containers must be disposed of in accordance with state, local and federal regulations. Refer to the product label for specific container disposal instructions.

## 14. TRANSPORT INFORMATION

**DOT (Shipped by Land) PROPER SHIPPING NAME:**

Not regulated by DOT

DOT Emergency Response Guide: N/A

**IMDG (Shipped by Vessel) PROPER SHIPPING NAME:**

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Cyazofamid), 9, III, Marine Pollutant

## 15. REGULATORY INFORMATION

### **FIFRA –**

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. The following is the hazard information as required on the pesticide label:

**KEEP OUT OF REACH OF CHILDREN.** Do not take internally. Harmful if swallowed. Avoid contact with eyes. Avoid prolonged contact with skin. Wash exposed areas of skin thoroughly with soap and warm water after handling or using. Remove contaminated clothing and wash before reuse. Avoid breathing spray mist.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

### **SARA Title III – Section 302 Extremely Hazardous Substances**

This material, as supplied, does not contain any substances regulated as hazardous substances under SARA Section 313.

### **SARA Title III – Section 311/312 Hazard Categories**

Immediate

### **SARA Title III – Section 312 Threshold Planning Quantity**

N/A

### **SARA Title III – Section 313 Reportable Ingredients**

This material, as supplied, does not contain any substances regulated as hazardous substances under SARA Section 313.

### **CERCLA –**

This material, as supplied, does not contain any substances regulated as hazardous substances under CERCLA.

### **CALIFORNIA PROP 65 STATUS –**

This product contains no chemicals known to the State of California to cause cancer or reproductive harm.

### **CANADA –**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## 16. OTHER INFORMATION

### **REFER TO THE PRODUCT LABEL FOR TERMS AND CONDITIONS OF USE**

#### **Warranty Disclaimer**

To the extent consistent with applicable law, all such risks shall be assumed by the buyer. Summit Agro USA LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. SUMMIT AGRO USA LLC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SUMMIT AGRO USA LLC AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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RANMAN is an invention and registered trademark of Ishihara Sangyo Kaisha, Ltd., and is manufactured and developed by ISK Biosciences Corporation.

MSDS Version: 1.2

Effective Date: 03/29/2017