

**SECTION 1 – IDENTIFICATION**

**Trade Name:** Vulcan 65-RCS  
**Emergency Telephone. No:** (989)739-8050

**Manufacturer:** Vulcan Systems, LLC  
 5740 F-41, Oscoda, MI 48750  
 info@vulcan-systems.com

**SECTION 2 – HAZARDOUS IDENTIFICATION**

**OSHA/HCS status :** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**GHS Signal Word:** Warning



Eye Irrit. 2 H319 Causes serious eye irritation.  
 Skin Sens. 1 H317 May cause an allergic skin reaction.  
 STOT SE 3 H335 May cause respiratory irritation.

**Hazardous Statements:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 IF SWALLOWED: Rinse mouth. Do not induce vomiting.

**SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS**

This information is protected by Trade-Secret

**SECTION 4 – FIRST AID PROCEDURES**

Get medical attention if any damage to the eye is caused by the metal. Flush contaminated skin with plenty of water. Cuts should be treated promptly and covered. If swallowed, rinse mouth. Do NOT induce vomiting.

**SECTION 5 – FIRE-FIGHTING MEASURES**

Non-flammable. **Extinguishing Media** – Co2 or Dry Chemical Extinguisher.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Toxic to aquatic life.

**SECTION 7 – HANDLING AND STORAGE**

Prevent formation of dust. Ensure good ventilation/exhaustion at the workplace.

Store in a cool location and out of direct sunlight.

Workers should wash hands and face before and after use of this product. Store in a cool location out of direct sunlight.

**SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION**

This section covers the material from which this product is manufactured. The term “hazardous ingredients” should be interpreted as a term required and defined in OSHA hazard communication standard.

**Ingredients:**

Chemical Name	CAS No
Tin	7440-31-5
Silver	7440-22-4
Ammonium Chloride	12125-02-9

**Exposure limits:**

Tin	2 mg/ m <sup>3</sup> 8 hour Time Weighted Average,
Silver	0.1 mg/ m <sup>3</sup> 8 hour Time Weighted Average,
Ammonium Chloride	10 mg/m <sup>3</sup> Long Term Exposure Limit (8 hour time) 20mg/m <sup>3</sup> Short Term Exposure Limit (15 minutes)

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Silver-grey	Upper/lower flammability or exposure limits	N/A
Odor	N/A	Vapor Pressure	N/A
Odor threshold	N/A	Vapor density	N/A
pH	N/A	Relative Density	N/A
Melting point/freezing point	221 degrees C	Solubility	N/A
Initial boiling point and boiling range	N/A	Flash point	N/A
Evaporation rate	N/A	Flammability	N/A
Partition coefficient	N/A	Auto-ignition temperature	N/A
Decomposition temperature	N/A	Viscosity	N/A

**SECTION 10 – STABILITY AND REACTIVITY**

Chemical Stability - Chemically stable at normal temperatures and pressures

Conditions to Avoid - Avoid extreme temperatures above 450 °C, such as those due to welding. Also avoid prolonged exposure to direct sunlight

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Eyes - Causes serious eye irritation.

Skin - Low toxicity: may cause mild skin irritation.

Inhalation - Low toxicity: may cause nose, throat and lung irritation. Overexposure to dust or metal fumes may lead to pneumoconiosis or Stannosis.

Ingestion - Low toxicity: abdominal pain, nausea, vomiting, diarrhea Chronic Prolonged or repeated exposure to silver or silver compounds by ingestion or inhalation can cause an irreversible blue-grey skin discoloration.

**SECTION 12 – ECOLOGICAL INFORMATION**

Toxic to aquatic life. Avoid release into the environment.

Not readily biodegradable

**SECTION 13 – DISPOSAL CONSIDERATIONS**

See Section 12 above.

**SECTION 14 – TRANSPORTATION INFORMATION**

Not Applicable

**SECTION 15 – REGULATORY INFORMATION**

Not Applicable

**SECTION 16 – OTHER INFORMATION**

**Vulcan Systems, LLC, believes this data to be accurate, but no warranty, expressed or implied, is made.**