



# MATERIAL SAFETY DATA SHEET

HMIS

H = 0

F = 0

R = 0

PPE = See Section 8

## Section I

**Manufacturer:** Siplast, an Icopal Group Company  
 (800) 643-1591 or (800) 922-8800

**Address:** 1000 E. Rochelle Blvd., Irving, TX 75062

**Emergency Phone No.:** CHEMTREC, (800) 424-9300 (U.S.), (703) 527-3887 (outside of U.S.)

**Product Class:** Roofing Material

**Trade Name:** No. 11 Roofing Granules

## Section II - Ingredients

Ingredient	CAS. NO.	Percent	ACGIH PEL mg/m <sup>3</sup>	Exposure Limits OSHA PEL mg/m <sup>3</sup>
Nepheline Syenite	None	94-100	None	None
Sodium Silicate	1344-09-8	<5.0	None	None
Kaolin Clay	1332-58-7	<5.0	N/A	2 mg/m <sup>3</sup> TWA
Titanium Dioxide	1317-80-2	<0.9	10	10 mg/m <sup>3</sup> TWA
Iron Oxide	1309-37-1	<0.9	5	10 mg/m <sup>3</sup> TWA
Carbon Black	1333-86-4	<0.9	3.5	3.5 mg/m <sup>3</sup> TWA
Chromium Oxide	1308-38-9	<0.9	0.5	0.5 mg/m <sup>3</sup> TWA
Petroleum Oil or Wax	64742-52-5	<0.9	N/A	N/A
Free Crystalline Silica	14808-60-7	<0.1	0.1	0.1 mg/m <sup>3</sup> TWA

This product contains the following toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: Chromium Oxide (Trivalent Chromium).

## Section III - Physical Data

Boiling Point: Not applicable  
 Vapor Pressure: Not applicable  
 Vapor Density (Air =1): Not applicable  
 Evaporation Rate: Not applicable  
 Appearance and Odor: Granules, various colors, slightly oily odor.  
 Sp. Gravity (Water = 1): 2.5 - 2.6  
 Solubility in Water: Not applicable  
 Percent Volatile: Not applicable  
 pH: Slightly basic  
 Viscosity: Not applicable

## Section V - Health Hazard Data

Eyes: May cause eye irritation if dust gets in eyes.  
 Skin: Skin irritation is not expected from normal use and handling.  
 Inhalation: Prolonged and repeated exposure to crystalline silica containing dust can result in injury to the lungs: the condition is called silicosis. Breathing of the dust may also cause irritation of the respiratory system.  
 Ingestion: Roofing granules are expected to be practically nontoxic orally.

## Section IV - Fire and Explosion Data

Flash Point: Not applicable  
 Flammable Limits: LEL % - Not applicable  
 UEL %: Not applicable  
 Extinguishing Media: Not applicable  
 Special Fire Fighting Procedures: Not applicable  
 Unusual Fire and Explosion Hazards: Not applicable

## Section VI - Reactivity Data

Stability: Stable  
 Incompatibility: Materials to Avoid: None  
 Hazardous Polymerization: Will not occur  
 Hazardous Decomposition Products: None

### **Section VII - Spill or Leak Procedures**

Spill Response: Observe precautions from other sections. Use dust mask to avoid inhaling dust. Collect spilled material.

Recommended Disposal: Dispose of waste material in a sanitary landfill.

Environmental Data: Not applicable

### **Section IX - Special Precautions**

Handling and Storage: None

Other: None

### **Section VIII - Special Protection Information**

Avoid eye contact with the dust, use of eye protection such as chemical safety goggles is suggested. Avoid inhalation of dust, use respiratory protection where local exhaust ventilation is not available. NOTE: The amount of dust generated while handling these roofing granules is expected to vary depending on the user's operation. The level of respirable crystalline silica in the dust is expected to be less than 1% by weight of the dust. The calculated OSHA permissible exposure limit and ACGIH threshold limit value is  $0.59 \text{ mg/m}$  or  $10 \text{ mg/m}$  divided by (% respirable silica = 2).

The information and recommendations contained herein are, to the best of Siplast's knowledge and belief, accurate and reliable as of the date issued. Siplast does not warrant or guarantee their accuracy or reliability, and should not be liable for any loss or damage arising out of the use thereof. User should satisfy himself that he has all current data relevant to his particular use.