

Material Safety Data Sheet CanAmaze VRP

EMERGENCY PHONE NUMBER (587) 323-0924

Section 1 - PRODUCT INFORMATION

Product Identifier: Andesite Filler **WHMIS Classification:** D2A

Product Use: Soil Amendment

Manufacturer's Name: IG Machine & Fibers Ltd.

3745 Barnes Lake Road, British Columbia, V0K 1A0

Supplier's Name: Wescan Marketing Inc.

P.O. Box 670, Stettler, AB T0C 2L0

Tel: (587) 323-0924 **Emergency Telephone:** (587) 323-0924

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Ingredients	Wt. %	CAS Number
Crystalline Silica (Quartz)	11	14808-60-7
LD50 of Ingredient		LC50 of Ingredient
500mg/kg (rat,iv)		Not Available

SECTION 3 - PHYSICAL DATA

Physical State Solid	Odour and Appearance Sands and Filler: grey particles with no odour		Odour Threshold (ppm) Not Available
Specific Gravity 2.9	Vapour Density (air=1) Not Applicable	Vapour Pressure (mmHg) Not Applicable	Evaporation Rate Not Applicable
Boiling Point Not Applicable	Freezing Point °C Not Applicable	pH Slightly Basic	Coefficient of Water/ Oil Distribution Not Applicable

SECTION - 4 FIRE AND EXPLOSION DATA

Flammability Non Flammable	If Flammable, Under what conditions?		
Means of Extinction Not Applicable	Flashpoint °C Not Applicable	Upper Flammable Limit (% by volume) Not Applicable	
Lower Flammable Limit (% by volume) Not Applicable	Autoignition Temperature °C Not Applicable		
Explosion Data – Sensitivity to Impact Not Applicable			
Explosion Data – Sensitivity to Static Discharge Not Applicable			
Hazardous Combustion Products Not Applicable			

SECTION 5 – REACTIVITY DATA

Chemical Stability Stable	If unstable, under what conditions
Incompatible substances None known	
Reactivity, and under what conditions? Not applicable	
Hazardous Decomposition Products Not applicable	

Product Identifiers Headlap, Modified Sand, Backsurfacing Sand, and Filler

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry Inhalation and eye contact		
Effect of Acute Exposure to Product Exposure to high concentrations of airborne particulates may result in difficult breathing and eye irritation.		
Effect of Chronic Exposure to Product Long-term exposure to airborne crystalline silica (quartz) results in fibrosis of the lungs (silicosis) , IARC classifies inhaled crystalline silica (quartz) as carcinogenic to humans (Group 1).		
Exposure Limits Crystalline Silica (Quartz) TLV-TWA; 0.025 mg/m3 respirable fraction, ACGIH		
Irritancy Eye Irritant	Sensitization Non Sensitizing	Synergistic Products None known
Reproductive Toxicity Non-toxic	Mutagenicity Non-mutagenic	Teratogenicity Non-teratogenic
Carcinogenicity Contains an IARC Group 1 carcinogen (Crystalline Silica-Quartz)		

SECTION 7 - PREVENTIVE MEASURES

Personal Protective Equipment Respirator, eye protection and work clothing
Specify type Use a respirator approved by NIOSH for particulate matter. Wear safety glasses as minimum protection and safety goggles for excessively dusty conditions. Wear washable or disposable protective clothes. Shower and change into clean clothes before leaving work area to prevent contamination of vehicle and residence.

SECTION 7 - PREVENTATIVE MEASURES continued.....

Engineering Controls

The use of properly designed dust collection equipment is recommended

Leak and Spill Procedure

Materials can be sprayed with water to minimize dusting.

Waste Disposal

Ensure that disposal is in accordance with federal, provincial and municipal regulations

Handling Procedures and Equipment

Handle so that the formation of airborne particulate is minimized.

Storage Requirements

Not applicable

Special Shipping Information

Not applicable

UN Number

Not Regulated

SECTION 8 - FIRST AID MEASURES

Inhalation

Move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion

Not applicable

Skin Contact

Not applicable

Eye Contact

Flush eye(s) with copious amounts of water at room temperature. If symptoms persist, obtain medical attention.

SECTION 9 - PREPARATION INFORMATION

PREPARED BY: Grant McKay

PHONE: (587) 323-0924

DATE: April 14, 2013

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Handle CanAmaze VRP Safely!

CanAmaze VRP® For Plants

CanAmaze VRP® is not a fertilizer or synthetic chemical and contains only naturally occurring minerals and trace elements. It is 100% volcanic Andesite rock which has been reduced to extremely small particle size to enhance availability to plants. The following are suggested minimum application rates for CanAmaze VRP®. You may wish to consult with a horticulturalist or an agronomist about your application of CanAmaze VRP.

CanAmaze VRP® should be applied with compost, humus, manures, or other fertilizers which provide additional levels of nitrogen, phosphorus, and potassium. CanAmaze VRP® will not burn plants.

Field Crops:

Generally, apply 227 kgs (500 lbs.) of CanAmaze VRP® per acre initially followed by an annual maintenance level of 90 kgs (200 lbs.) per acre. *While not justified for most field crops, certain high value crops may warrant initial application up to 1800 kgs. (4000 lbs) per acre.*

Vegetables and Flowers:

When preparing the soil, use CanAmaze VRP® at the rate of 454 gms (1 lb.) per 1 sq meter (10.7 sq.ft) or up to 363 kgs (800 lbs.) per acre. If in rows, mix with the seed or starter plant and apply at the rate of 454 gms (1 lb) per 8 meters (25 ft.) of row. If bed is established, sprinkle around each plant.

Citrus and Other Trees:

Apply CanAmaze VRP annually to all trees on ground surface under the drip line at the rate of 454 gms (1 lb.) to 2.25 kgs (5 lbs.) depending on the tree size. Double the application for decline or blight stricken trees. Another option is to apply 454 gms (1 lb.) per each inch of diameter of the tree.

Grapes, Roses and Shrubs:

Apply CanAmaze VRP® 227 gms (.5 lbs) to 500 gms (1.1 lb.) to the soil around each plant and lightly till into soil. You may choose with roses to dust foliage lightly once per month during the blooming season.

Lawns:

For new lawns, rake in 2.27 kgs (5lb.) to 4.54 kgs.(10 lbs) of CanAmaze VRP® per 18.5 sq meters (200 sq. ft.) of seed bed. For established lawns, broadcast 454 gms per 200 sq ft before watering.

House Plants:

Mix 1 to 2 cups of CanAmaze VRP® per 4.54 Litres (1 gallon) of potting soil before planting. Apply 1 teaspoon quarterly thereafter. For surface application, use 1-2 tsp of CanAmaze VPR per every inch of pot diameter and lightly stir into the top of the soil.