

SECTION I PRODUCT INFORMATION

Product Name.....	EcoTraction™
Product Use.....	To increase traction on icy surfaces
T.D.G. Classification.....	N/A
Packing Group.....	Non-hazardous dry freight
WHMIS Classification.....	N/A
Cation Exchange Capacity.....	160 to 180 milli-equivalents per 100 grams
Water Retention.....	> 55%
Overall Surface Area.....	24.9 m ² per gram
Bulk Density.....	880 – 960 kg/m ³ (55 – 60 lbs/ft ³)
Hardness.....	Moh's No. 4
Available Packaging.....	2.27 kg, 4.5 kg, 10 kg, 20 kg, 909 kg
Prepared By.....	M. Watson, Earth Innovations Inc.
Date Prepared.....	Nov 2011

SECTION II HAZARDOUS INGREDIENTS

Hazardous Ingredients.....	None
Percentage.....	N/A
CAS #.....	1318-02-1
Chemical Name.....	Potassium-calcium-sodium-aluminosilicate
Empirical Formula.....	(K,Ca,Na) 2O-Al ₂ O ₃ -10SiO ₂ -6H ₂ O
Chemical Family.....	Molecular Sieve
Dot Shipping Name.....	Non Hazardous Dry Fright/ UN not applicable
LD ₅₀ , Route, Species.....	N/A
LC ₅₀ , Route, Species.....	N/A

SECTION III PHYSICAL DATA

Product.....	Hydrothermal volcanic material
Physical State.....	Solid
Appearance.....	Green granules
Odor.....	Odorless
Odor Threshold.....	N/A
Vapor Pressure.....	N/A
Vapor Density.....	N/A
Evaporation Rate.....	N/A
Boiling Point.....	N/A
Melting Point.....	1800 °F (982 °C)
Freezing Point.....	N/A
pH.....	N/A
Specific Gravity.....	2.0 – 2.4
Solubility in water.....	0
Coefficient of Water/Oil Distribution.....	N/A

SECTION IV FIRE AND EXPLOSION DATA

Flammability.....	Non-flammable
Means of Extinction.....	N/A
Flashpoint (°C) and Method.....	N/A
Flammable Limits in Air.....	N/A
LEL.....	N/A
UEL.....	N/A
Auto-Ignition Temperature.....	N/A
Hazardous Combustion Products.....	N/A
Sensitivity to Impact.....	N/A
Sensitivity to Static Discharge.....	N/A
Special Fire Fighting Procedures.....	Non Combustible
Unusual Fire and Explosion Hazards.....	None

SECTION V REACTIVITY DATA

Chemical Stability.....	N/A
Incompatibility.....	N/A
Reactivity.....	N/A
Hazardous Decomposition Products.....	N/A
Conditions to avoid.....	N/A
Hazardous Polymerization.....	Will not occur

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry.....	Inhalation
Effects of Acute Exposure.....	N/A
Effects of Chronic Exposure.....	N/A
Exposure Limits.....	N/A
Irritancy of Product.....	Can cause desiccating effects, removal of natural oils and result in chaffing, dry skin during prolonged handling without gloves.
Sensitizing Capacity of Product.....	N/A
Carcinogenicity.....	None
Teratogenicity and Embryotoxicity.....	None
Reproductive Toxicity.....	None
Mutagenicity.....	None

SECTION VII PREVENTATIVE MEASURES

Personal Protective Equipment.....	Suitable coverall and gloves recommended during prolonged exposure.
Engineering Controls.....	N/A
Leak and Spill Procedure.....	N/A
Waste Disposal.....	Safe for garbage and landfill disposal.
Handling Procedures & Equipment.....	N/A
Storage Requirements.....	Store in plastic bags or containers.
Special Shipping Information.....	N/A

SECTION VIII FIRST AID MEASURES

Eye Contact.....	Immediately flush eyes with water for 15 minutes.
Skin Contact.....	Apply moisturizing lotion to the contact area if needed.
Ingestion.....	If ingested in large quantities, contact physician to help induce vomiting.
Inhalation.....	Remove the person to fresh air.
Notes to physician.....	If this product has been treated with a material of hazardous nature, identify material and treat accordingly.

SECTION IX SAFETY HANDLING AND USE
Steps to be Taken in Case Material is Released or Spilled

It is recommended that any significant quantities spilled in surface waters are reported to the appropriate state, provincial or federal officials.

Waste Disposal Method

Spills should be cleaned up in a manner that does not generate dust and then disposed of in a landfill. If raw material has been treated with toxic or hazardous substances material should be disposed of accordingly.

Precautions during Handling & Storage

Avoid breathing nuisance dust.

Transportation Information

Can move road, air, rail or sea, non hazardous, non toxic, non corrosive. No special transportation requirements are required.

SECTION X EXPOSURE CONTROL MEASURES

Respiratory Protection

Wear OSHA approved dust respirators to avoid nuisance dust when permissible exposure limit is exceeded.

Ventilation

Exhaust ventilation is recommended for operations where permissible exposure limit might be exceeded.

Eye Protection

Safety glasses or goggles are recommended to prevent dust from entering eyes.

Protective Clothing

Suitable coverall and gloves are recommended during prolonged handling. Skin contact can cause desiccating effects, removal of natural oils and result in chaffing, dry skin.

Mechanical

N/A

Special

N/A

Other

N/A

SECTION XI BIOLOGICAL CONSIDERATIONS

Waterfowl Toxicity.....	None
Aquatic Toxicity.....	None
Food Chain Concentration Potential.....	None
Biochemical Oxygen Demand.....	None, products are not biodegradable
Atmospheric.....	Contains no ozone depleting substances

Note: It is recommended that all recipients of this MSDS become familiar with and understand any hazards associated with this product. This information should then be made available to employees and customers who may come in contact with this material.