

# MATERIAL SAFETY DATA SHEET – International 16-Heading Format

Prepared according to ANSI Standard Z400.1-1993

N/A = Not applicable

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** KiwiGrip Non-Skid System

**Product Description:** Aqueous Acrylic Polymer

**Supplier's Name:** Pachena, L.L.C

**Telephone #:** (206) 306-2222 **Fax #:** (206) 306-2222

**Address:** 11025 Lakeside Ave NE, Seattle, WA 98125

**Emergency Phone (MSDS Information):** (206) 579-4017

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS #	Weight %
Aqueous Acrylic Polymer	Not Available	20-50%
Vapor Pressure 17 mm Hg @ degC		
Calcium Carbonate	1317-65-3	10-20%
Barium Sulphate	7727-43-7	10-20%
(can contain Crystalline Silica)	(14808-60-7)	
Titanium Dioxide	13463-67-7	10-20%
Oxygenated Solvent	112-34-5	0-5%
Vapor Pressure 0.01 mm Hg @ degC		

## SECTION 3 – HAZARDS IDENTIFICATION

**Emergency Overview:** Non-Toxic, Non-Hazardous. Spills will be slippery. No toxic or ill effects under normal application conditions. Repeated or prolonged exposure is not known to aggravate any medical condition.

**Ingestion:** Not considered to be toxic by ingestion, but may cause slight gastrointestinal irritation.

**Inhalation:** Spray mists may cause mild respiratory irritation.

**Eye Contact:** Liquid splashed into the eye may cause transient eye irritation.

**Skin Contact:** None known.

## SECTION 4 – FIRST AID MEASURES

**Inhalation:** Remove from exposure. Provide plenty of fresh air.

**Eye Contact:** Flush eyes immediately with large amounts of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Consult physician for medical treatment if symptoms persist.

**Skin Contact:** Remove with soap and water. Remove contaminated clothing. Supply copious amounts of fresh water to the skin areas to rinse material away.

**Ingestion:** DO NOT INDUCE VOMITING. Only if conscious, give 2 glasses of milk or water to drink. Consult physician, hospital emergency room, or poison control center immediately.

**Notes to Physician:** Any treatment that might be required for overexposure should be directed at the control of symptoms and the clinical conditions.

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point:** N/A

**Flammable limits in air, volume % - lower LEL:** N/A **Upper UEL:** N/A

**Autoignition Temp:** N/A

**Fire Extinguishing Media:** Water, carbon dioxide, dry chemical, foam

**Personal Protective Equipment:** Wear full body protective clothing and self contained breathing apparatus.

**Unusual Fire & Explosion Hazards:** Burning material may produce toxic vapor such as Carbon monoxide and Carbon dioxide. Burning material may splatter.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**In case of spill:** Confine in small area; contain and remove with inert absorbent (sand, earth, etc.). Place in suitable container for handling and disposal. Keep out of waterways, drains, and sewers. Keep spectators away. Floor will be slippery. Use care to avoid falling.

**Waste Disposal:** See Section 13.

## SECTION 7 – HANDLING AND STORAGE

**Handling:** Avoid eye contact, inhalation of spray mist, and ingestion. Wash skin thoroughly with fresh water following skin contact.

**Storage:** Store in original containers in a cool, well ventilated area, away from food and out of the reach of children. Keep container closed when not in use. Keep from freezing.

## SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

**Respiratory Protection:** Respirator is not required for normal application. If spraying in confined areas, use an appropriate, properly fitted NIOSH/MSHA approved respirator to remove spray mist. Good room (mechanical) ventilation should be sufficient protection against vapors from product. If further protection is desired or if persons are sensitive to vapors, use respirator with a NIOSH/MSHA approval number TC-23C-860 or TC-23C-87 or an equivalent. Refer to OSHA 29 CFR 1910.134, Respiratory Protection.

**Ventilation:** General (mechanical) room ventilation or natural ventilation is expected to be satisfactory.

**Protective Gloves:** None required under most conditions. If protection is desired, plastic, nitrile or latex rubber will provide adequate protection.

**Eye Protection:** Safety glasses or goggles with side shields if splashing may occur. Use goggles when spraying, ANSI Z87.1 or approved equivalent.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Physical Description:** White medium viscosity liquid (gel)

**Boiling Point/Melting Point degC:** >100

**% Volatile by Weight:** 37.93

**LBS/GAL Theoretical:** 11.85 +/- 0.25

**Solubility in Water:** Totally Miscible

**Vapor Pressure, mmHg @ 20degC:** N/A

**VOC Material:** 43 g/l, 0.35 lb/gal

**Specific Gravity (H2O = 1):** 1.42

## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** Non-reactive

**Stability:** Stable under all conditions of use and storage.

**Flammability:** Not flammable under normal conditions of use.

**Hazardous Decomposition by-products:** Carbon dioxide, Carbon monoxide.

**Hazardous Polymerization:** Will not occur.

**Conditions to avoid:** Excess heat may cause containers to rupture. Avoid freezing conditions.

## SECTION 11 – TOXOLOGICAL INFORMATION

**Toxicological Classification:** Non-Toxic.

**Note:** The toxicological properties of the compound have not been fully investigated. To the best of our knowledge, the compound may be considered non-toxic, non hazardous under all normal conditions. Under abnormal conditions, see section 3 for hazards information and section 4 for first aid procedures.

## SECTION 12 – ECOLOGICAL INFORMATION

**Environmental Hazards:** None known. Slightly toxic to aquatic organisms. Not biodegradable, but will bio-accumulate.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Place contaminated material in suitable sealed containers for disposal. Do not incinerate closed containers. Use non leaking containers, seal tightly and label properly. Do not throw liquid paint into the trash. Where allowed by local laws, allow liquid waste materials to dry out before disposing into trash containers. Take all liquid unused paint that cannot be used to approved recycling centers or disposal centers. Do not dispose of waste into water streams or storm water sewers. Do not mix with other kinds of waste. Dispose all waste in accordance with local, state and federal regulations.

**RCRA Classification:** If discarded as is, it is not classified a Hazardous waste under RCRA. This product is not ignitable, corrosive, reactive, or toxic; therefore is not defined as hazardous by the EPA.

## SECTION 14 – TRANSPORT INFORMATION

**Classification:** Non-hazardous for road, sea, airfreight, and passenger air transport

**US DOT Hazard Shipping Class:** Not regulated - aqueous

**D.O.T. Labels/Placards Required:** No

## SECTION 15 – REGULATORY INFORMATION

**HMS Codes:** H-1 F-0 R-0 P-B

**OSHA Class:** 29 CFR 1910.1200 Non-hazardous

**Suspected Cancer Agents:** Federal OSHA: No / NTP: No / IARC: No / None known

## SECTION 16 – OTHER INFORMATION

**Prepared By:** W. Stiggebout

**Revision Date:** March 11, 2010

**Prior Revision Dates:** None in International Format.

**Source of Technical Data:** Original DS data sheet from BMP NZ, LTD, 2006

**NOTICE:** The data and recommendations presented herein are based upon our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made, however, and the product discussed is distributed without warranty, expressed or implied, and the person receiving such product shall make his own determination of the suitability thereof for his particular purpose. The use of this information and the conditions and use of this product are controlled by the user, and it is the responsibility and obligation of the user to determine the conditions of safe use of this product. If persons using this product are chemically sensitive, a test for personal tolerance is recommended.