

Material Safety Data Sheet
January 1, 2002

Chemical Name : Silicic acid, Potassium salt
Formula : Mixture Potassium Silicate solution
Trade Name/Synonym : **Dyna-Gro Pro-TeKt**
CAS Number (s) : 1312-76-1

Section 1: Manufacturer or Supplier

Dyna-Gro Nutrition Solutions, 1065 Broadway, San Pablo, CA 94806, (800) 396-2476 or (510) 233-0254

Section 2: Hazardous Ingredients

Contains no hazardous mixtures

Section 3: Physical Data & Ingredients

| | | | |
|---------------------------------|-------------------------|-------------------------------|------------|
| Physical State at STP | : Liquid | pH | : 10.5 |
| Specific Gravity | : 1.2 | Solubility in Water | : Miscible |
| Melting Point | : 32.0 F | Evaporation Rate | : N/A |
| Appearance & Odor | : Clear Odorless Liquid | | |

Section 4: Fire, Explosion & Reactivity Hazard Data

Flash Point : Non Flammable
Extinguishing Media to Use : Dry Chemicals, CO₂, Water or Water Base Foam
Special Fire Fighting Equipment : Wear protective clothing & breathing unit
Unusual Fire & Explosion Risk : None
Incompatibility : Gels when mixed with acid
Hazardous Decomposition Products : Hydrogen Gas
Conditions to Avoid : May produce flammable Hydrogen gas on prolonged contact with certain metals (aluminum, tin, lead, and zinc).

Section 5: Health Hazard Data

Effects of Over-Exposure: Prolonged contact with skin may cause itching or burning. Contact with eyes may cause pain, redness and tearing. Inhalation may cause a burning pain in nose and throat. If swallowed, may cause irritation to the esophagus and stomach.

Health Effects or Risks from Exposure:

Acute: Irritation to skin mucus membranes

Chronic: No known chronic hazards. Not listed by OSHA as a carcinogen.

Medical Conditions Aggravated by Exposure: Asthma and lung diseases, skin diseases.

Emergency First Aid:

If Swallowed: Drink large amounts of water. Call a physician.

Skin Exposure: Flush with plenty of water.

Eye Exposure: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

If Inhaled: Remove to fresh air. Call a physician.

Section 6: Spill or Leak Procedures

Environmental Hazard:

High pH (alkalinity) of undiluted or unneutralized material is harmful to aquatic life. Not a listed toxic chemical under SARA Title III, Sections 302, 304 or 313.

Spillage:

Sinks and mixes with water. Not a RCRA Hazardous waste. Neutralize with dilute acid and landfill solids according to local, state and federal regulations. Flush neutral liquid to sewer with plenty of water.

Waste Disposal Method:

Neutralize with dilute acid and landfill solids according to local, state and federal regulations. Flush neutral liquid to sewer with plenty of water.

Section 7: Special Protection Information

Respiratory Protection : Self-contained breathing apparatus where concentrate spray occurs

Ventilation : Use with adequate ventilation

Eye Protection : Safety goggles

Protective Gloves : Rubber

Other Protective Equipment : Non-absorbent clothing and rubber boots.

Section 8: Special Precautions

OSHA Permissible Exposure Limits or ACGIH Threshold Limit Values have not been established. Dyna-Gro recommended ceiling limit 15mg/m³.

Other Handling & Storage Conditions: Do Not Drink, get in eyes, on skin or on clothing. Avoid breathing vapor. Keep in tightly closed container. Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse. Store away from metal powders.

The information contained herein is provided in good faith and is believed to be correct and equivalent to OSHA Form 20, as of the date hereof, but is issued without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.