

Trade Name/Synonym : **Dyna-Gro pH Up**
 Date Prepared : June 1, 2009
 Chemical Name : Mixed Liquid Specialty pH Control
 Formula : Mixture (see Section 2: Ingredients)

Section 1: Manufacturer or Supplier

Dyna-Gro Nutrition Solutions, 2775 Giant Road, Richmond, CA 94806, 800-396-2476, Emergency (510) 233-0254

Section 2: Hazardous Ingredients

Exposure limits in air:

ACGIH TLV: OSHA PEL:

Ingredient	Formula	%	CAS#	Exposure limits in air: ACGIH TLV: OSHA PEL:
Potassium Hydroxide	KOH	10.8%	1310-58-3	8 hr TWA 2 mg/m ³
Potassium Carbonate	KCO ₃	3.6%	584-08-7	8 hr TWA 2 mg/m ³

Section 3: Physical Data

Physical State at STP : Liquid
 Boiling Point : 236° F
 Specific Gravity : 1.1
 Vapor Density : N/A
 Evaporation Rate : N/A
 Percent Volatile : Complete
 Vapor Pressure : N/A
 Solubility in Water : Miscible
 Melting Point : 32° F
 Appearance & Odor : Clear liquid

Section 4: Fire & Explosion Hazard Data

Flash Point : Non Flammable
 Auto-Ignition Temp. (Lower) : N/A
 Auto-Ignition Temp. (Upper) : N/A
 Flammable Limits in Air : N/A
 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 : Corrosive – Avoid contact with skin or eyes. Do not breathe.

Section 5: Reactivity Hazard Data

Stability : Stable
 Incompatibility : Strong Acids
 Hazardous Decomposition : None
 Hazardous Polymerization : Polymerization will not occur.

Section 6: Health Hazard Data

Effects of Over-Exposure: Prolonged contact with skin may cause irritation. Contact with eyes and respiratory tract may cause irritation. If swallowed, may cause distress, cramping, vomiting and hypertension.

Health Hazards: Acute: Burns to skin, eyes and nasal passages, cramps and vomiting if swallowed.
 Chronic: Irritation to skin and mucus membranes.

Carcinogenicity: Not a carcinogen.

Emergency First Aid:

If Swallowed. : Do not induce vomiting. Give several glasses of water, milk or milk of magnesia.
 Never give anything by mouth to an unconscious person. Call a physician.

Skin Exposure : Remove any contaminated clothing. Wash skin with soap and water for 15 minutes.
 Get medical attention if irritation persists.

Section 6: Health Hazard Data - continued

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 7: Spill or Leak Procedures

Environmental Hazard : Alkalinity of undiluted or non-neutralized material is harmful to aquatic life.
Steps to take if Spill Occurs : Contain spill; dilute spill with water. Clean up spill with vacuum or absorbent material and dispose of properly.
Waste Disposal Method : Dispose of all waste according to local, state and federal regulations. Mix with water and dispose of in approved landfill.

Section 8: Special Protection Information

Respiratory Protection : Self-contained breathing apparatus
Ventilation : Local and mechanical
Eye Protection : Safety goggles
Protective Gloves : Rubber
Other Protective Equipment : Non-absorbent clothing and rubber boots.

Section 9: Handling & Storage Conditions

Storage Temperature (Min./Max.) : 35° F / 95° F
Shelf Life : Indefinite
Precautionary Labeling : Corrosive, Toxic
Handling Precautions. : Do not drink, get in eyes, on skin or on clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling.
Storage Precautions. : Keep in tightly closed container. Loosen container cautiously. Store in a well ventilated area, away from organic chemicals, strong bases, metal powders, carbides, sulfides and other readily oxidizable materials.

Section 10: Transport Information

DOT Classification : Class 8, Corrosive; Class 6.1 Poisonous Material
Identification : Corrosive liquids, toxic, N.O.S., UN2922, PG I (contains Potassium Hydroxide)

The information contained herein is provided in good faith and is believed to be correct and equivalent to OSHA Form 174, as of the date hereof, but is issued without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.