

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED For:

Growing Solutions, Inc.
21719 S. Center Ave., Unit D
New Lenox, IL 60451

PRODUCT NAME: TUpH POTASSIUM ACETATE LIQUID SOLUTION - TURF & ORNAMENTAL FERTILIZER

CHEMICAL NAME: ACETIC ACID POTASSIUM SALT

CHEMICAL

FAMILY: FORMULA: C₂H₃KO₂

Date of Issue: 12/2/10

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN - CAUTION - May cause mild eye and skin irritation. Avoid contact with skin, eyes, open cuts, and sores. In case of contact, flush with water for 15 minutes. Seek medical attention for eyes. Nausea and vomiting could be expected upon large dose ingestion. The acute ingestive effects are described as nausea, chills, and diarrhea. If victim is conscious and alert give milk or water. Seek medical attention. Eye and skin contact with these products could cause irritation (particularly in sensitive persons), and respiratory irritation could be expected from the unprotected inhalation of fertilizer mists. Product users should avoid prolonged or repeated skin contact by wearing impervious gloves, long sleeve shirt, long pants, socks and rubber boots. Goggles for eye protection are recommended. Wash thoroughly after handling and using this product.

This product is a clear liquid with no discernable odor. Primary routes of entry are inhalation, eye contact and skin contact.

3. COMPOSITION, INFORMATION ON INGREDIENTS

N-P-K (NITROGEN-PHOSPHORUS-POTASSIUM) MIXED LIQUID BLENDED FERTILIZERS –

<u>Chemical Ingredients:</u>	<u>Percentage of Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Potassium Acetate	60	127-08-2	Not established
Water	40	7732-18-5	Not established

4. FIRST AID MEASURES

If in eyes: Immediately rinse with water for 15 minutes
If on skin: Wash skin with soap and water
If swallowed: Rinse mouth with water and drink large quantity of water or milk
If inhaled: Remove product or move person to fresh air

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): None to boiling
FLAMMABLE LIMITS (LFL & UFL): Not applicable
EXTINGUISHING MEDIA: Suitable for surrounding fire
HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and/or carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Confine the spill to a diked area or sump, if possible, and recover as much of the liquid potassium acetate as possible. Place in suitable containers. Reuse.

7. HANDLING AND STORAGE

HANDLING: Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required unless excessive heat or reaction occurs resulting in carbon dioxide or carbon monoxide. Use self contained breathing apparatus if using in enclosed areas. Sealed containers may develop pressure, open with caution. Wash hands thoroughly after handling the product.

STORAGE: Store in the original labeled container in a cool place away from direct sunlight. Keep separate from food and feed products and out of reach of children and animals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Not normally required.
RESPIRATORY PROTECTION: Not normally required.
PERSONAL PROTECTIVE EQUIPMENT: Rubber or plastic gloves, Safety goggles and face shield

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear liquid, odorless	
SOLUBILITY:	Complete	
pH:	8.5-10.0	BULK DENSITY: 11.08 lbs / gallon
SPECIFIC GRAVITY (Water = 1):	1.18	BOILING POINT: >200
VAPOR PRESSURE:	Not established	EVAPORATION RATE: Not established
PERCENT VOLATILE (by volume):	Not applicable	

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable for at least 2 years under normal conditions.
INCOMPATIBILITY: No data reported
HAZARDOUS DECOMPOSITION PRODUCTS: Will not occur.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀(rat): Not established
Acute Dermal LD₅₀(rabbit): not established
Eye Irritation (rabbit): Not established
Inhalation LC₅₀(rat): Not established
Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH

Skin Irritation (rabbit): Not established
Skin Sensitization (guinea pig): Not established

12. ECOLOGICAL INFORMATION

Ecotoxicology: Due to the non-toxic classification of this product no negative impact on wildlife is expected.

Biodegradation: Oxidation and microorganisms.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Contaminated absorbents and surplus product should be buried in accordance with any local legislation.

Container disposal: Wash thoroughly with water and soap prior to reuse.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT.
U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 5; CLASS 50)

15. REGULATORY INFORMATION

SARA Hazard Notification/Reporting
SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N
Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed
SARA, Title III, Section 313: Not listed
RCRA Waste Code: Not listed
CA Proposition 65: WARNING: This product contains chemicals known to State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material of process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and Custom Agronomics, Inc. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.