

Growers Nutritional Solutions

Manufactured by: Growers Chemical Corporation
P.O. Box 1750, 321 Huron Street
Milan, Ohio, USA 44846
Tel. 419 499 2508
Fax. 419 499 2178
E-mail. growers@web-seller.com

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. DEPARTMENT OF LABOR

Occupational Health and Safety Administration

STATEMENT OF HAZARDOUS NATURE

Not Hazardous

Section I

IDENTIFICATION

Product Name	Growers Nutritional Solutions
United Nations Number	Not Relevant
Hazchem Code	Not Relevant
Dangerous Goods Class	Not Relevant
Poisonous Schedule Number	Not Relevant

USE

Growers Nutritional Solutions is a plant food or fertilizer for use on most all plants and crops as a transplant solution, as a starter on seeds, and as a foliar spray on the leaves.

Growers Nutritional Solutions is a mineral supplement fed in conjunction with other minerals and vitamins to make balanced rations.

Section II

COMPOSITION AND INGREDIENT INFORMATION

INGREDIENTS

<u>CHEMICAL ENTITY</u>	<u>CAS NO.</u>	<u>PROPORTION</u>
Phosphoric Acid	7664-38-2	8.8%
Potassium Hydroxide	1310-58-3	8.3%
Diamonium Phosphate	7783-28-0	10.0%
Urea	57-13-6	10.0%
Water	7732-18-5	to 100.0%

Section III

PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance	Clear viscous liquid
Odor	Slight ammonia odor in confined area
Specific Gravity	1.33 (H ₂ O=1)
Melting Point	Not relevant
Evaporation Rate	Slightly less than water
Vapor Pressure	Similar to water
Vapor Density	Not relevant
Solubility in Water	Completely
Boiling Point	110 degrees C
pH @ 20 degrees C	6.9 –7.1

Section IV

FIRE AND EXPLOSION HAZARD DATA

Flash Point	Not relevant
Extinguishing Media	Suitable for surrounding fire
Special Fire Fighting Procedures	Not relevant
Unusual Fire and Explosion Hazards	Not relevant

Section V

REACTIVITY DATA

Stability	Very stable, a true one salt solution
Conditions to Avoid	None known
Incompatibility	None known
Hazardous Decomposition of Ingredients	None known
Hazardous Polymerization	Will not occur

Section VI

HEALTH HAZARD INFORMATION

Routes of Entry	
Skin	None
Inhalation	None
Ingestion	Excessive ingestion may cause irritation of the digestive track.
Eyes	May cause irritations
First Aid	
Skin	Not relevant
Inhalation	Not relevant
Ingestion	Drink quantities of clean water
Eyes	Flush with clean water
Advice to Doctor	Treat symptomatically
Health Hazards	None known

Section VII

PRECAUTIONS FOR SAFE HANDLING AND USE

Storage	In leak proof containers
Transportation	No restrictions
Disposal	In accordance with all applicable Federal, State and Local laws
Spills	Contain spillage in suitable container or holding area

Section VIII

CONTROL MEASURES

Respiratory Protection	Not Normally required
Ventilation	Not needed
Protective Gloves	Rubber may be used
Eye Protection	Chemical splash goggles may be used
Protective Clothing	Not needed
Work/Hygienic Practices	Normal safety measures

All information contained in this Material Safety Data Sheet and the health, safety and environmental information are considered to be accurate to the best of our knowledge. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet. Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this safely and to comply with all applicable laws and regulations. Growers Chemical Corporation accepts no responsibility for any injury, loss or damage, resulting from improper or abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.