

MATERIAL SAFETY DATA SHEET

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SECTION I – GENERAL INFORMATION

TRADE NAME: GROWMARK FLEXN 28-0-0
CHEMICAL NAME: Urea-Triazone Solution
CHEMICAL FAMILY: Slow Release Nitrogen Solution
SIGNAL WORD: CAUTION

SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

NAME	CAS NO.	% (by wt.)	TLV	CLASS
Urea-Triazone Solution	Proprietary Blend	100.0	10mg/m ³	N.H.

Total Nitrogen (N) = 28.0% (7.8% Urea Nitrogen)
(20.2% Other Water Soluble Nitrogen)

SECTION III – PHYSICAL DATA

Boiling Point: > 212°F
Vapor Pressure: N.E.
Vapor Density: N.A.
pH: 9.0 – 10.0 (neat)

Specific Gravity: 1.27 – 1.29 gms/cc
% Volatiles: N.K.
Solubility in Water: complete
Appearance/Odor: clear liquid, mild ammonia odor

SECTION IV – FIRE & EXPLOSION DATA

Flash Point: Non-Combustible
Extinguishing Media: Dry chemical foam, water spray
Firefighting Procedures: Fight fire from upwind. Assure S.C.B.A. is worn. Minimize run-off if possible.

SECTION V – REACTIVITY DATA

Stability: Stable.
Conditions to Avoid: Extreme Temperatures. Strong Acids.
Hazardous Decomposition Products: Oxides of Nitrogen.
Hazardous Polymerization: Will not occur.

SECTION VI – HEALTH HAZARD DATA

Carcinogenicity: N/A.
Toxicity Data: N.E.
TLV: 10 mg/m³
N.F.P.A. 1 - 1 - 0
(Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)
Effects of Overexposure: May cause irritation to eyes or with continual contact with skin. May irritate respiratory tract. Avoid ingestion.
Note to Physician: Treat symptomatically and supportively.

SECTION VII – EMERGENCY PROCEDURES

If on Skin: Wash exposed areas with soap and water. Remove and launder contaminated clothing.

If in Eyes: Flush eyes with copious amounts of water for 15 to 20 minutes. Seek medical attention.

If Swallowed: Give 1-2 glasses of water to drink. Induce vomiting. Get Medical Attention Immediately.

If Inhaled: Remove from area of exposure. Seek medical attention if symptoms persist.

SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill
Contain spills and prevent runoff or entering of waterways. Assure protective equipment is worn. Pick up spills with absorbent material and place in suitable containers. Remove sources of ignition.

Waste Disposal Method
Dispose of in accordance with Local, State, and Federal Regulations.

SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection: Normally none required.
Ventilation: General recommended.
Protective Gloves: Rubber impervious.
Eye Protection: Safety glasses.
Other: Practice good personal hygiene.

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage
KEEP OUT OF REACH OF CHILDREN.
Store away from food or feedstuffs in a well ventilated area. Avoid extreme temperatures.
D.O.T. Description: Non-Regulated
Freight Description: Nitrogen Fertilizer Solution (28%), Liquid, N.O.S.

The information presented herein for consideration, while not guaranteed, is true and accurate to the best of our knowledge. No warranty, or guaranty is expressed or implied regarding the accuracy or reliability of such information and we shall not be liable for any loss or consequential damages arising out of the use thereof.

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