

# MATERIAL SAFETY DATA SHEET

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## SECTION I – GENERAL INFORMATION

TRADE NAME **GROWMARK FLEXN 12-0-0 Plus 5% B**  
CHEMICAL NAME Controlled Release Nitrogen Solution  
CHEMICAL FAMILY Nitrogen Fertilizer  
SIGNAL WORD CAUTION

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

NAME	CAS NO.	% (by wt.)	TLV	CLASS
Urea, Methylene Ureas, Boric Acid Complex	Proprietary Blend	100.0	10mg/m <sup>3</sup>	N.H.
Total Nitrogen (N) = 12.0% (6.0% Urea Nitrogen) (6.0% Other Water Soluble Nitrogen)				
Boron (B)	= 5.0%			

## SECTION III – PHYSICAL DATA

Boiling Point : > 212°F      Specific Gravity: 1.28 gms/cc  
Vapor Pressure: N.E.      % Volatiles : N.K.  
Vapor Density: N.A.      Solubility in Water: complete  
pH: 9.0-10.0      Appearance/Odor: clear amber liquid, slight 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: Ammonia, Carbon Dioxide.  
Hazardous Polymerization: Will not occur.

## SECTION VI – HEALTH HAZARD DATA

Carcinogenicity: N/A  
Toxicity Data: N.E.  
TLV: 10 mg/m<sup>3</sup>  
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. Seek attention if irritation persists.

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

If Swallowed: Give individual 2-4 glasses of water. Do not induce vomiting unless advised by a physician. Call a poison control center or physician immediately.

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

## 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. Follow label directions carefully. Store above 32°F (0°C) in original containers.

D.O.T. Description: Non-Regulated

Freight Description: Nitrogen Fertilizer Solution (12%), Liquid, N.O.S.

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