

MATERIAL SAFETY DATA SHEET

DISTRIBUTOR:

Lange-Stegmann Company
One Angelica Street
St. Louis, MO 63147
Phone: 314-241-9531

SECTION I - PRODUCT IDENTITY AND MANUFACTURING INFORMATION

PRODUCT: Lange-Stegmann Fertilizer 08-32-16
PRODUCT CODE: 083216A
DATE PREPARED/REVISED: Jan 2008

SECTION II - INGREDIENTS AND IDENTITY INFORMATION

<u>INGREDIENT</u>	<u>PEL</u>	<u>TLV</u>
Monoammonium Phosphate	15mg/m ³ *	10mg/m ³ *
Granular Urea		
Granular Muriate of Potash		
Ground Clay		
Pellet Lime		

* as nuisance dust

SECTION III - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point 760mm/Hg: Decomposition begins at 275° F.
Specific Gravity (H₂O=1): 1.9
Appearance: Gray and white and granular solids.
pH: 7.5 - 8.5
Solubility in H₂O: 347 g/l @20° C
Odor: Slight ammonia odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Closed Cup) Range: NA
Auto Ignition Temperature: NA
Extinguishing Media: Use appropriate media to fight surrounding fire.
Special Fire Fighting Procedures: Fire Fighting Equipment - Wear positive pressure apparatus to avoid breathing fumes.
Unusual Fire and Explosion Hazards: 1) The product may burn at a very high temperature, but will not ignite readily. 2) Fire may produce irritating or poisonous gases. 3) Run off from fire control or dilution water may cause pollution. 4) In case of water pollution, contact local authorities.
Explosion Limit (%): Lower: NA Upper: NA
Flammable limits in Air, % by volume: NA

SECTION V - HEALTH HAZARD INFORMATION

Oral LD50: NA
Dermal LD50: NA
Primary Dermal Irritation: Contact may cause skin irritation.
Primary Eye Irritation: Contact may cause eye irritation.
Inhalation 4 hr. LC50: NA. May cause respiratory irritation.
Chronic Effects: Inhalation of dust may be irritating to mucous membranes. If ingested at high concentrations, may irritate mouth, throat, gastro-intestinal tract. Chest pain, abdominal pain, and/or diarrhea may occur.

Emergency and First Aid Procedures:

EYES: Wash thoroughly with running water for at least 15 minutes.

SKIN: Wash with soap and water thoroughly.

INHALATION: Remove to fresh air. Contact medical personnel if symptoms occur.

INGESTION: Call a physician or Poison Control Center immediately.

SECTION VI - REACTIVITY DATA

Material Reacts Violently With: Stable

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition Products: NA

Incompatibility: None Known

SECTION VII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Where exposure limits are exceeded, wear a suitable respirator, (MSHA/NIOSH approved or equivalent).

VENTILATION: Work area must have adequate ventilation to limit exposure to this product.

PROTECTIVE CLOTHING: Rubber gloves, long-sleeved shirt, shoes and socks.

EYE PROTECTION: Goggles or glasses.

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled. 1) Wear gloves, protective clothing and dust mask. 2) Contain spill. 3) Collect into clean container and mark properly. 4) Apply recovered product per label instructions.

SECTION IX - SPECIAL PRECAUTIONS

STATEMENT OF PRACTICAL TREATMENT:

In case of contact, wash skin with plenty of soap and water; for eyes, flush with water for 15 minutes and get medical attention.

CAUTION: Hazardous to humans and domestic animals. Harmful if swallowed. Do not inhale dust. Do not allow contact with skin, eyes or clothing. Wash hands thoroughly after handling.

ENVIRONMENTAL HAZARDS: Do not apply directly to water. Do not apply when weather conditions favor drift from target area.

STORAGE AND DISPOSAL STATEMENTS:

STORAGE: Store in original container, and keep any bags containing unused product in a locked storage area, inaccessible to children and domestic animals. Do not store near food or feedstuffs. To prevent cross contamination, do not store near other fertilizer, or near herbicides, insecticides, fungicides, or seeds.

PRODUCT DISPOSAL: To dispose of bags containing unused product, securely wrap bag in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse empty bag. Fold empty bag and discard in trash.

SUMMARY: The information and statements in these Material Safety Data Sheets are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable, depending on particular, exceptional, or variable conditions or circumstances of use, or storage, or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you, and must make independent determinations of the suitability of the information for your particular circumstances, or conditions, and of the completeness of the information available from all sources, to assure both the proper use of the material described herein and the safety and health of employees.