

Material Safety Data Sheet

AgroBest 9-18-9

24 Hour Emergency Phone: CHEMTREC 1-800-424-9300

Date of Preparation: 11/3/04

Revision: 03/25/13

Section 1 - Chemical Product and Company Identification

Synonyms: 9-18-9 Fertilizer Solution
CAS No: Not applicable to mixtures.
Molecular Weight: Not applicable to mixtures.
Chemical Formula: Not applicable to mixtures.
Agro-K Corporation 8030 Main Street, N.E., Minneapolis, MN 55432 (763)-780-4116

Section 2 - Composition / Information on Ingredients

| Ingredient | CAS No | Percent | Hazardous |
|-------------------------|---------------------|-------------|-----------|
| Ammoniated Phosphates | 7722-76-1/7783-28-0 | Proprietary | Yes |
| Urea | 57-13-6 | Proprietary | Yes |
| Potassium Phosphate | 7758-11-4 | Proprietary | Yes |
| Ammoniated Thiosulfates | 7722-76-1/7783-18-8 | Proprietary | Yes |

Section 3 - Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

Potential Health Effects

Inhalation: Coughing, difficult breathing, irritation of mucous membranes.

Ingestion: Ingestion of large quantities may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Skin Contact: Irritation.

Eye Contact: Irritation.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: No information found.

Section 4 - First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

Skin Contact:

In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms occur.

Eye Contact:

In case of eye contact, immediately flush with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.

Section 5 - Fire-Fighting Measures

NFPA Ratings:

Health: 2 Flammability: 0 Reactivity: 0

Fire: Not expected to be a fire hazard.

Explosion: None identified.

Fire Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Information:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Section 6 - Accidental Release Measures

Wear suitable protective clothing. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush spill area with water.

Section 7 - Handling and Storage

Keep container tightly closed. Suitable for any general chemical storage area. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Section 8 - Exposure Controls / Personal Protection

Airborne Exposure Limits:

Urea - AIHA Workplace Environmental Exposure Limit (WEEL): 10mg/m³, 8-hour TWA.

No other information available

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred..

Personal Respirators (NIOSH Approved): Not expected to require personal respirator usage.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9 - Physical and Chemical Properties

Appearance:

Clear, colorless liquid.

Boiling Point:

No information found.

Odor:

Slight, burnt wood

"Salt-out" Point:

approx -24°F.

Solubility:

Complete (100%)

Vapor Density (Air=1):

Not applicable.

Specific Gravity:

1.33

Vapor Pressure (mm Hg):

Not applicable.

Section 10 - Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Ammonia, oxides of phosphorous.

Hazardous Polymerization: Will not occur.

Incompatibilities: Calcium or sodium hypochlorite, sodium nitrite, strong oxidizing agents..

Conditions to Avoid: Incompatibles.

Section 11- Toxicological Information

| Ingredient | ---NTP Carcinogen--- | | IARC Category |
|-----------------|----------------------|-------------|---------------|
| | Known | Anticipated | |
| All ingredients | No | No | None |

Section 12 - Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

Section 13 - Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14 - Transport Information

Not regulated.

Section 15 - Regulatory Information

| Ingredient | -----\Chemical Inventory Status - Part 1\----- | | | |
|-----------------|--|-----|-------|-----------|
| | TSCA | EC | Japan | Australia |
| All ingredients | Yes | Yes | Yes | Yes |

| Ingredient | -----\Chemical Inventory Status - Part 2\----- | | | |
|-----------------|--|-----|--------------------|-------|
| | Korea | DSL | --Canada-- NDSL | Phil. |
| All ingredients | Yes | Yes | No | Yes |

| Ingredient | -----\Federal, State & International Regulations - Part 1\----- | | | |
|-----------------|---|-----|----------------------------|----------------|
| | -SARA 302- RQ | TPQ | -----SARA 313----- List | Chemical Catg. |
| All ingredients | No | No | No | No |

| Ingredient | -----\Federal, State & International Regulations - Part 2\----- | | |
|-----------------|---|------------------|----------------|
| | CERCLA | -RCRA- 261.33 | -TSCA- 8(d) |
| All ingredients | No | No | No |

