

# Simplot Growers Solution CN-9 Calcium Nitrate Solution 9-0-0

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Simplot Growers Solution CN-9 Calcium Nitrate Solution 9-0-0  
Product code : M12440

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Professional applications  
Use of the substance/mixture : Fertilisers

#### 1.3. Supplier

JR Simplot Company  
P.O. Box 70013  
Boise, ID 83707  
T 1-208-336-2110

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

|   |      |                           |
|---|------|---------------------------|
| Acute toxicity (oral), Category 4             | H302 | Harmful if swallowed      |
| Skin corrosion/irritation, Category 2         | H315 | Causes skin irritation    |
| Serious eye damage/eye irritation, Category 1 | H318 | Causes serious eye damage |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H318 - Causes serious eye damage

Precautionary statements (GHS-US) :

P264 - Wash hands, forearms and face thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301+P312 - If swallowed: Call a poison center/doctor/... if you feel unwell  
P302+P352 - If on skin: Wash with plenty of water/...  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a poison center/doctor/...  
P321 - Specific treatment (see supplemental first aid instruction on this label)  
P330 - Rinse mouth  
P332+P313 - If skin irritation occurs: Get medical attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P501 - Dispose of contents/container to ...

#### 2.3. Other hazards which do not result in classification

No additional information available

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### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name        | Product identifier | % | GHS-US classification |
|-------------|--------------------|---|-----------------------|
| Proprietary |                    |   | Not classified        |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. Get immediate medical advice/attention.
- First-aid measures after skin contact : Wash with water and soap. If skin irritation or rash occurs: Get medical advice/attention. Wash skin with plenty of water.
- First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get immediate medical advice/attention. Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Rinse mouth out with water. Give nothing or a little water to drink. Get medical advice/attention if you feel unwell. Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/injuries after inhalation : Irritation of the respiratory tract.
- Symptoms/injuries after eye contact : redness, itching, tears, stinging.
- Symptoms/injuries after ingestion : Harmful if swallowed. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : EXTINGUISHING MEDIA FOR SURROUNDING FIRES: Water spray. Sand. Foam. Carbon dioxide. Dry powder.
- Unsuitable extinguishing media : No unsuitable extinguishing media known.

### 5.2. Specific hazards arising from the chemical

- Explosion hazard : Pressurised container: May burst if heated.
- Reactivity : Decomposes on exposure to temperature rise. On heating/burning: release of toxic and corrosive gases/vapours (nitrous vapours).

### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Proprietary

Not applicable

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Protective clothing.

#### Eye protection:

Face shield. Where excessive dust may result, wear goggles. Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Approved supplied air respirator



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Colour : Colourless  
Odour : Odorless  
Odour threshold : No data available  
pH : No data available  
Melting point : Not applicable  
Freezing point : -20 - -15 °C  
Boiling point : 115 °C  
Flash point : No data available  
Relative evaporation rate (butylacetate=1) : No data available

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|                                  |                          |
|----------------------------------|--------------------------|
| Flammability (solid, gas)        | : Not applicable.        |
| Vapour pressure                  | : 13 hPa @ 20 degree's C |
| Relative vapour density at 20 °C | : No data available      |
| Relative density                 | : No data available      |
| Density                          | : 1.4 g/m <sup>3</sup>   |
| Solubility                       | : Water: > 100 g/l       |
| Log Pow                          | : No data available      |
| Auto-ignition temperature        | : No data available      |
| Decomposition temperature        | : No data available      |
| Viscosity, kinematic             | : No data available      |
| Viscosity, dynamic               | : No data available      |
| Explosive limits                 | : No data available      |
| Explosive properties             | : No data available      |
| Oxidising properties             | : No data available      |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Decomposes on exposure to temperature rise. On heating/burning: release of toxic and corrosive gases/vapours (nitrous vapours).

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

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|               |                      |
|---------------|----------------------|
| ATE US (oral) | 500 mg/kg bodyweight |
|---------------|----------------------|

|  |  |
|--|--|
| Skin corrosion/irritation                          | : Causes skin irritation.  |
| Serious eye damage/irritation                      | : Causes serious eye damage.   |
| Respiratory or skin sensitisation                  | : Not classified   |
| Germ cell mutagenicity                             | : Not classified   |
| Carcinogenicity                                    | : Not classified   |
| Reproductive toxicity                              | : Not classified   |
| Specific target organ toxicity (single exposure)   | : Not classified   |
| Specific target organ toxicity (repeated exposure) | : Not classified   |
| Aspiration hazard                                  | : Not classified   |
| Symptoms/injuries after inhalation                 | : Irritation of the respiratory tract.   |
| Symptoms/injuries after eye contact                | : redness, itching, tears. stinging.   |
| Symptoms/injuries after ingestion                  | : Harmful if swallowed. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

#### 12.2. Persistence and degradability

##### Proprietary

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

#### 12.3. Bioaccumulative potential

##### Proprietary

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
GWPmix comment : No known effects from this product.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not applicable

#### TDG

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

| Proprietary | CAS No | % |
|-------------|--------|---|
|             |        |   |

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

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### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

Full text of H-statements:

|      |                           |
|------|---------------------------|
| H302 | Harmful if swallowed      |
| H315 | Causes skin irritation    |
| H318 | Causes serious eye damage |

NFPA health hazard

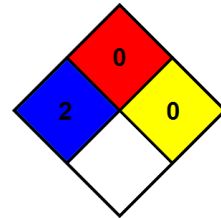
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

: 0 - Materials that will not burn.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
Flammability : 0 Minimal Hazard - Materials that will not burn  
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

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