

# 14-4-22 Custom Blend for Gozzer Ranch

## 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 : 14-4-22 Custom Blend for Gozzer Ranch  
Product code : M80249

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

Recommended use : Fertilizers

#### 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

Serious eye damage/eye irritation, Category 2B H320 Causes eye irritation  
Carcinogenicity, Category 2 H351 Suspected of causing cancer  
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) : Warning  
Hazard statements (GHS-US) : H320 - Causes eye irritation  
H351 - Suspected of causing cancer  
Precautionary statements (GHS-US) : P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P264 - Wash hands, forearms and face thoroughly after handling  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P308+P313 - If exposed or concerned: Get medical attention  
P337+P313 - If eye irritation persists: Get medical attention  
P405 - Store locked up  
P501 - Dispose of contents/container to ...in accordance with local/regional/national regulations

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

No additional information available

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

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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| Name            | Product identifier  | % | GHS-US classification   |
|-----------------|---------------------|---|---|
| Iron Sucrate    | (CAS No) 8047-67-4  |   | Acute Tox. 3 (Oral), H301<br>Carc. 2, H351                                  |
| Proprietary     |                     |   | Not classified  |
| quartz          | (CAS No) 14808-60-7 |   | Eye Irrit. 2B, H320<br>Carc. 1A, H350<br>STOT SE 3, H335<br>STOT RE 2, H373 |
| iron(II)sulfate | (CAS No) 7720-78-7  |   | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315                            |

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 general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer.
- First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
- Symptoms/injuries after eye contact : Causes eye irritation.

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

No additional information available

### SECTION 5: Fire-fighting measures

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

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

No additional information available

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

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

- Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.  
Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Sources of ignition. Direct sunlight.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| iron(II)sulfate (7720-78-7) |                                |                     |
|-----------------------------|--------------------------------|---------------------|
| ACGIH                       | ACGIH TWA (mg/m <sup>3</sup> ) | 1 mg/m <sup>3</sup> |
| Proprietary                 |                                |                     |
| Not applicable              |                                |                     |
| quartz (14808-60-7)         |                                |                     |
| ACGIH                       | ACGIH TWA (mg/m <sup>3</sup> ) | 0.025 R             |
| Iron Sucrate (8047-67-4)    |                                |                     |
| Not applicable              |                                |                     |

#### 8.2. Appropriate engineering controls

No additional information available

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

##### Personal protective equipment:

Avoid all unnecessary exposure.

##### Hand protection:

Wear protective gloves

##### Eye protection:

Chemical goggles or safety glasses

##### Respiratory protection:

Wear appropriate mask

##### Other information:

Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

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

Physical state : Solid  
Appearance : Granule.  
Colour : Multi-colored  
Odour : characteristic  
Odour threshold : No data available  
pH : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available

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|  |                     |
|--|---------------------|
| Flash point                                | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas)                  | : Non flammable.    |
| Vapour pressure                            | : No data available |
| Relative vapour density at 20 °C           | : No data available |
| Relative density                           | : No data available |
| Solubility                                 | : Mostly soluble.   |
| 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

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### iron(II)sulfate (7720-78-7)

|               |                             |
|---------------|-----------------------------|
| LD50 oral rat | 319 mg/kg (Rat; Literature) |
| ATE US (oral) | 319 mg/kg bodyweight        |

#### Iron Sucrate (8047-67-4)

|               |                      |
|---------------|----------------------|
| ATE US (oral) | 100 mg/kg bodyweight |
|---------------|----------------------|

|                                   |                                |
|-----------------------------------|--------------------------------|
| Skin corrosion/irritation         | : Not classified               |
| Serious eye damage/irritation     | : Causes eye irritation.       |
| Respiratory or skin sensitisation | : Not classified               |
| Germ cell mutagenicity            | : Not classified               |
| Carcinogenicity                   | : Suspected of causing cancer. |

#### quartz (14808-60-7)

|            |                            |
|------------|----------------------------|
| IARC group | 1 - Carcinogenic to humans |
|------------|----------------------------|

#### Iron Sucrate (8047-67-4)

|            |                      |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

Reproductive toxicity : Not classified

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|   |   |
|---|---|
| Specific target organ toxicity (single exposure)    | : Not classified  |
| Specific target organ toxicity (repeated exposure)  | : Not classified  |
| Aspiration hazard                                   | : Not classified  |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/injuries after eye contact                 | : Causes eye irritation.  |

### SECTION 12: Ecological information

#### 12.1. Toxicity

| <b>iron(II)sulfate (7720-78-7)</b> |  |
|------------------------------------|--|
| LC50 fish 1                        | 925 mg/l (96 h; Poecilia reticulata; Heptahydrate)             |
| EC50 Daphnia 1                     | 7.2 mg/l (48 h; Daphnia magna; Metal ion)                      |
| LC50 fish 2                        | 100 mg/l (96 h; Oryzias latipes; GLP)                          |
| EC50 Daphnia 2                     | 152 mg/l (48 h; Daphnia magna; Heptahydrate)                   |
| Threshold limit algae 1            | 130 mg/l (72 h; Pseudokirchneriella subcapitata; Heptahydrate) |
| Threshold limit algae 2            | 3.2 mg/l (72 h; Pseudokirchneriella subcapitata; Heptahydrate) |

#### 12.2. Persistence and degradability

| <b>14-4-22 Custom Blend for Gozzer Ranch</b> |  |
|--|--|
| Persistence and degradability                | Not established.   |
| <b>iron(II)sulfate (7720-78-7)</b>           |  |
| Persistence and degradability                | Biodegradability in water: no data available. No (test)data on mobility of the substance available. Not established. |
| <b>Proprietary</b>                           |  |
| Persistence and degradability                | Not established.   |
| <b>quartz (14808-60-7)</b>                   |  |
| Persistence and degradability                | Biodegradability: not applicable. Not established.   |
| Biochemical oxygen demand (BOD)              | Not applicable   |
| Chemical oxygen demand (COD)                 | Not applicable   |
| ThOD   | Not applicable   |
| BOD (% of ThOD)                              | Not applicable   |
| <b>Iron Sucrate (8047-67-4)</b>              |  |
| Persistence and degradability                | Not established.   |

#### 12.3. Bioaccumulative potential

| <b>14-4-22 Custom Blend for Gozzer Ranch</b> |   |
|--|---|
| Bioaccumulative potential                    | Not established.  |
| <b>iron(II)sulfate (7720-78-7)</b>           |   |
| BCF fish 1                                   | 2 - 20 (28 days; Cyprinus carpio; Heptahydrate)                 |
| Bioaccumulative potential                    | Low potential for bioaccumulation (BCF < 500). Not established. |
| <b>Proprietary</b>                           |   |
| Bioaccumulative potential                    | Not established.  |
| <b>quartz (14808-60-7)</b>                   |   |
| Log Pow                                      | Not applicable  |
| Bioaccumulative potential                    | No bioaccumulation data available. Not established.             |
| <b>Iron Sucrate (8047-67-4)</b>              |   |
| Bioaccumulative potential                    | Not established.  |

#### 12.4. Mobility in soil

No additional information available

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### 12.5. Other adverse effects

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

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ...  
Ecology - waste materials : Avoid release to the environment.

## 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           | % |
|--------------|------------------|---|
| Iron Sucrate | CAS No 8047-67-4 | % |

| iron(II)sulfate (7720-78-7) |         |
|-----------------------------|---------|
| CERCLA RQ                   | 1000 lb |

### 15.2. International regulations

#### CANADA

| iron(II)sulfate (7720-78-7)   |  |
|---|--|
| Listed on the Canadian DSL (Domestic Substances List)   |  |
| Proprietary   |  |
| Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List) |  |
| quartz (14808-60-7)   |  |
| Listed on the Canadian DSL (Domestic Substances List)   |  |
| Iron Sucrate (8047-67-4)  |  |
| Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List) |  |

#### EU-Regulations

No additional information available

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### National regulations

#### quartz (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)

### 15.3. US State regulations

#### iron(II)sulfate (7720-78-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

#### quartz (14808-60-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Other information : None.

Full text of H-statements:

|      |   |
|------|---|
| H301 | Toxic if swallowed  |
| H302 | Harmful if swallowed  |
| H315 | Causes skin irritation  |
| H320 | Causes eye irritation   |
| H335 | May cause respiratory irritation                                  |
| H350 | May cause cancer  |
| H351 | Suspected of causing cancer                                       |
| H373 | May cause damage to organs through prolonged or repeated exposure |

SDS US (GHS HazCom 2012)

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