



# Syringe Ultra

## Safety Data Sheet

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

Version: 1.0 Updated 3/24/2022

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Syringe Ultra  
Product code : M77714

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

Use of the substance/mixture : Soil Surfactant

#### 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

Not classified

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

##### GHS US labelling

No labelling applicable

#### 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. Substances

Not applicable

#### 3.2. Mixtures

| Name   | Product identifier     | %       | GHS-US classification                      |
|--|------------------------|---------|--|
| Balances for ingredients < 100% are Proprietary* | (CAS-No.) Trade Secret | 95 – 99 | Not classified                             |
| 2-methyl-2,4-pentanediol                         | (CAS-No.) 107-41-5     | 1 – 5   | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319 |

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe 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. Wash skin with plenty of water.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.

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First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

### 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/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

### 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 : 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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 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 the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. 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. Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

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

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. 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 : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. 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. 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.

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 : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

|   |        |
|---|--------|
| <b>Syringe Ultra</b>                                      |        |
| No additional information available                       |        |
| <b>Balances for ingredients &lt; 100% are Proprietary</b> |        |
| No additional information available                       |        |
| <b>2-methyl-2,4-pentanediol (107-41-5)</b>                |        |
| <b>USA - ACGIH - Occupational Exposure Limits</b>         |        |
| ACGIH Ceiling (ppm)                                       | 25 ppm |

#### 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:

Avoid all unnecessary exposure.

##### Hand protection:

Wear protective gloves.

##### Eye protection:

Chemical goggles or safety glasses. Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### 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 : Liquid  
Appearance : Dark liquid.  
Colour : Amber  
Odour : Similar to apple cider  
Odour threshold : No data available  
pH : 4 – 4.5  
Melting point : Not applicable  
Freezing point : 0 °C  
Boiling point : > 100 °C  
Flash point : 93.3 °C  
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  
Density : 8.35 lbs/gal  
Solubility : soluble.

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|   |                     |
|---|---------------------|
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : Not determined    |
| 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

Stable.

### 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

Oxidizing agent. 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 (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Syringe Ultra   |          |
|-----------------|----------|
| LD50 oral rat   | > 2 g/kg |
| LD50 dermal rat | > 2 g/kg |

| 2-methyl-2,4-pentanediol (107-41-5) |  |
|-------------------------------------|--|
| LD50 oral rat                       | 3700 mg/kg (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Experimental value; > 2000 mg/kg bodyweight; Rat) |
| LD50 dermal rat                     | > 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)   |
| LD50 dermal rabbit                  | > 8000 mg/kg (Rabbit)  |

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Not classified<br>pH: 4 – 4.5   |
| Serious eye damage/irritation     | : Not classified<br>pH: 4 – 4.5   |
| Respiratory or skin sensitisation | : Not classified  |
| Germ cell mutagenicity            | : Not classified  |
| Carcinogenicity                   | : Not classified  |
| Reproductive toxicity             | : Not classified (Animal tests show reproductive effects. No human data found at this point.) |
| STOT-single exposure              | : Not classified  |
| STOT-repeated exposure            | : Not classified  |

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|   |  |
|---|--|
| Aspiration hazard                                   | : Not classified   |
| Viscosity, kinematic                                | : No data available  |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met.                        |
| Symptoms/effects                                    | : Not expected to present a significant hazard under anticipated conditions of normal use. |

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                   |   |
|-------------------|---|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
|-------------------|---|

| 2-methyl-2,4-pentanediol (107-41-5)       |  |
|---|--|
| LC50 fish 1                               | 12800 mg/l (96 h; Lepomis macrochirus)             |
| LC50 other aquatic organisms 1            | 10 – 100 mg/l (96 h)                               |
| EC50 Daphnia 1                            | 5410 mg/l (48 h; Daphnia magna)                    |
| LC50 fish 2                               | 9450 mg/l (96 h; Oncorhynchus mykiss)              |
| EC50 Daphnia 2                            | 3300 mg/l (48 h; Daphnia pulex)                    |
| Threshold limit other aquatic organisms 1 | 10 - 100,96 h                                      |
| Threshold limit algae 1                   | > 429 mg/l (72 h; Pseudokirchneriella subcapitata) |

#### 12.2. Persistence and degradability

| Syringe Ultra                                   |   |
|---|---|
| Persistence and degradability                   | Not established.  |
| Balances for ingredients < 100% are Proprietary |   |
| Persistence and degradability                   | Not established.  |
| 2-methyl-2,4-pentanediol (107-41-5)             |   |
| Persistence and degradability                   | Readily biodegradable in water. Highly mobile in soil. Not established. |
| Biochemical oxygen demand (BOD)                 | 0.02 g O <sub>2</sub> /g substance                                      |
| Chemical oxygen demand (COD)                    | 2.2 g O <sub>2</sub> /g substance                                       |
| ThOD  | 2.3 g O <sub>2</sub> /g substance                                       |
| BOD (% of ThOD)                                 | 0.01 % ThOD   |

#### 12.3. Bioaccumulative potential

| Syringe Ultra                                   |   |
|---|---|
| Bioaccumulative potential                       | Not established.  |
| Balances for ingredients < 100% are Proprietary |   |
| Bioaccumulative potential                       | Not established.  |
| 2-methyl-2,4-pentanediol (107-41-5)             |   |
| Partition coefficient n-octanol/water (Log Pow) | 0.58 (QSAR)   |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4). Not established. |

#### 12.4. Mobility in soil

| 2-methyl-2,4-pentanediol (107-41-5) |           |
|-------------------------------------|-----------|
| Surface tension                     | 0.033 N/m |

#### 12.5. Other adverse effects

|                   |   |
|-------------------|---|
| Other information | : Avoid unintentional release to the environment. |
|-------------------|---|

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

|  |   |
|--|---|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.                     |
| Ecology - waste materials                  | : Avoid unintentional release to the environment.   |

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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Other information : No supplementary information available.

#### Transportation of Dangerous Goods

#### Transport by sea

#### Air transport

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Syringe Ultra

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:

|   |         |          |
|---|---------|----------|
| Balances for ingredients < 100% are Proprietary | CAS-No. | 95 – 99% |
|---|---------|----------|

#### 15.2. International regulations

##### CANADA

##### Balances for ingredients < 100% are Proprietary

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

#### 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

| Component                          | State or local regulations                                 |
|------------------------------------|--|
| 2-methyl-2,4-pentanediol(107-41-5) | U.S. - New Jersey - Right to Know Hazardous Substance List |

### SECTION 16: Other information

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Other information : None.

Full text of H-statements:

|      |                                |
|------|--------------------------------|
| H315 | Causes skin irritation.        |
| H319 | Causes serious eye irritation. |

SDS US (GHS HazCom 2012)

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