## SAFETY DATA SHEET



#### 1. Identification

| Product identifier                           | Intelliphos 833   |  |
|--|---|--|
| Other means of identification                | None.   |  |
| Recommended use                              | Ag Product - Plant Nutrition                              |  |
| Recommended restrictions                     | None known.   |  |
| Manufacturer/Importer/Supplier/I             | Distributor information                                   |  |
| Manufacturer                                 |   |  |
| Company name<br>Address                      | Wilbur-Ellis Company LLC<br>16300 Christensen Rd. Ste 135 |  |
|  | Tukwila, WA 98188<br>United States                        |  |
| Telephone                                    | Branded Products Information                              | (800) 500-1698                                   |
| E-mail                                       | SDS@wilburellis.com                                       |  |
| Emergency phone number                       | Chemtrec - Domestic                                       | (800) 424-9300                                   |
|  | Chemtrec - International                                  | +1 703-741-5970                                  |
| 2. Hazard(s) identification                  |   |  |
| Physical hazards                             | Not classified.   |  |
| Health hazards                               | Not classified.   |  |
| Environmental hazards                        | Not classified.   |  |
| OSHA defined hazards                         | Not classified.   |  |
| Label elements                               |   |  |
| Hazard symbol                                | None.   |  |
| Signal word                                  | None.   |  |
| Hazard statement                             | The mixture does not meet the                             | criteria for classification.                     |
| Precautionary statement                      |   |  |
| Prevention                                   | Observe good industrial hygiene practices.                |  |
| Response                                     | Wash hands after handling.                                |  |
| Storage                                      | Store away from incompatible materials.                   |  |
| Disposal                                     | Dispose of waste and residues                             | in accordance with local authority requirements. |
| Hazard(s) not otherwise<br>classified (HNOC) | None known.   |  |
| Supplemental information                     | None.   |  |
|  |   |  |

## 3. Composition/information on ingredients

#### **Mixtures**

| Chemical name                            | Common name and synonyms | CAS number | %         |
|--|--------------------------|------------|-----------|
| Urea                                     |                          | 57-13-6    | 10 - < 20 |
| Other components below reportable levels |                          |            | 80 - < 90 |

Percentage ranges of composition to protect confidentiality or due to batch variation.

| 4. First-aid measures |  |
|-----------------------|--|
| Inhalation            | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.<br>Call a physician if symptoms develop or persist. |
| Skin contact          | Rinse skin with water. Get medical attention if irritation develops and persists.  |
| Eye contact           | Rinse with water. Get medical attention if irritation develops and persists.   |
| Ingestion             | Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.  |

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| Most important<br>symptoms/effects, acute and<br>delayed                     | Direct contact with eyes may cause temporary irritation.   |
|--|--|
| Indication of immediate<br>medical attention and special<br>treatment needed | Treat symptomatically.   |
| General information  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |
| 5. Fire-fighting measures  |  |
| Suitable extinguishing media   | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).  |
| Unsuitable extinguishing media   | Do not use water jet as an extinguisher, as this will spread the fire.   |
| Specific hazards arising from the chemical                                   | During fire, gases hazardous to health may be formed.  |
| Special protective equipment<br>and precautions for firefighters             | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.                    |
| Fire fighting equipment/instructions   | Move containers from fire area if you can do so without risk.  |
| Specific methods   | Use standard firefighting procedures and consider the hazards of other involved materials.                       |

No unusual fire or explosion hazards noted.

General fire hazards

#### 6. Accidental release measures

| Personal precautions,<br>protective equipment and<br>emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.   |
|---|--|
| Methods and materials for containment and cleaning up                     | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. |
|   | Small Spills: Wipe up with inert absorbent material. Clean surface thoroughly to remove residual contamination.  |
|   | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.  |
| Environmental precautions   | Avoid discharge into drains, water courses or onto the ground.   |
| 7. Handling and storage   |  |

# Precautions for safe handlingAvoid prolonged exposure. Use care in handling/storage.Conditions for safe storage,<br/>including any incompatibilitiesStore in original tightly closed container. Store away from incompatible materials (see Section 10<br/>of the SDS).

#### 8. Exposure controls/personal protection

#### **Occupational exposure limits**

| US. Workplace Environmental Exposure Level (WEEL) Guides Components Type Value Form |   |                |                    |  |
|---|---|----------------|--------------------|--|
|   | Туре  | value          |                    |  |
| Urea (CAS 57-13-6)  | TWA   | 10 mg/m3       | Total particulate. |  |
| Biological limit values   | No biological exposure limits noted for the   | ingredient(s). |                    |  |
| Appropriate engineering controls  | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |                |                    |  |
| Individual protection measures  | Individual protection measures, such as personal protective equipment   |                |                    |  |
| Eye/face protection   | Wear safety glasses with side shields (or goggles).   |                |                    |  |
| Skin protection<br>Hand protection  | Wear appropriate chemical resistant glove   | S.             |                    |  |
| Other   | Wear suitable protective clothing.  |                |                    |  |
| <b>Respiratory protection</b>   | In case of insufficient ventilation, wear suitable respiratory equipment.   |                |                    |  |

| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
|-----------------|---|
|-----------------|---|

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

| ••••••••••••••••••••••••••••••••••••••     |                |
|--|----------------|
| Appearance                                 | Dark liquid.   |
| Physical state                             | Liquid.        |
| Form                                       | Liquid.        |
| Color                                      | Dark           |
| Odor                                       | Not available. |
| Odor threshold                             | Not available. |
| рН   | 7 - 7.5        |
| Melting point/freezing point               | Not available. |
| Initial boiling point and boiling range    | Not available. |
| Flash point                                | Not available. |
| Evaporation rate                           | Not available. |
| Flammability (solid, gas)                  | Not available. |
| Upper/lower flammability or expl           | losive limits  |
| Flammability limit - lower<br>(%)          | Not available. |
| Flammability limit - upper<br>(%)          | Not available. |
| Explosive limit - lower (%)                | Not available. |
| Explosive limit - upper (%)                | Not available. |
| Vapor pressure                             | Not available. |
| Vapor density                              | Not available. |
| Relative density                           | Not available. |
| Solubility(ies)                            |                |
| Solubility (water)                         | Not available. |
| Partition coefficient<br>(n-octanol/water) | Not available. |
| Auto-ignition temperature                  | Not available. |
| Decomposition temperature                  | Not available. |
| Viscosity                                  | Not available. |
| Other information                          |                |
| Density                                    | 9.19 lb/gal    |
|  |                |

## 10. Stability and reactivity

| Reactivity                            | The product is stable and non-reactive under normal conditions of use, storage and transport. |
|---------------------------------------|---|
| Chemical stability                    | Material is stable under normal conditions.   |
| Possibility of hazardous<br>reactions | No dangerous reaction known under conditions of normal use.                                   |
| Conditions to avoid                   | Contact with incompatible materials.  |
| Incompatible materials                | Strong oxidizing agents.  |
| Hazardous decomposition<br>products   | Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.      |

### 11. Toxicological information

#### Information on likely routes of exposure

| Inhalation   | Prolonged inhalation may be harmful.                 |
|--------------|--|
| Skin contact | No adverse effects due to skin contact are expected. |

| Eye contact  | Direct contact with eyes may cause temporary irritation. |
|--|--|
| Ingestion  | Expected to be a low ingestion hazard.                   |
| Symptoms related to the physical, chemical and toxicological characteristics | Direct contact with eyes may cause temporary irritation. |

## Information on toxicological effects

Acute toxicity

| Components   | Species   | Test Results  |
|--|---|---|
| Jrea (CAS 57-13-6)                                       |   |   |
| <u>Acute</u>   |   |   |
| Oral   |   |   |
| LD50   | Mouse   | 13000 mg/kg   |
|  | Rat   | 15000 mg/kg   |
| * Estimates for product may                              | be based on additional compon                               | ent data not shown.   |
| Skin corrosion/irritation                                | Prolonged skin contact may                                  | cause temporary irritation.   |
| Serious eye damage/eye<br>rritation                      | Direct contact with eyes may                                | cause temporary irritation.   |
| Respiratory or skin sensitizatio                         | n   |   |
| Respiratory sensitization                                | Not available.  |   |
| Skin sensitization                                       | This product is not expected                                | to cause skin sensitization.  |
| Germ cell mutagenicity                                   | No data available to indicate mutagenic or genotoxic.       | product or any components present at greater than 0.1% are  |
| Carcinogenicity  | This product is not considere                               | ed to be a carcinogen by IARC, ACGIH, NTP, or OSHA.   |
| Not regulated.   | ed Substances (29 CFR 1910.<br>rogram (NTP) Report on Carci |   |
| Reproductive toxicity                                    | This product is not expected                                | to cause reproductive or developmental effects.   |
| Specific target organ<br>toxicity - single exposure      | Not classified.   |   |
| Specific target organ<br>toxicity - repeated<br>exposure | Not classified.   |   |
| Aspiration hazard  | Not available.  |   |
| Chronic effects  | Prolonged inhalation may be                                 | harmful.  |
| Further information                                      |   | dverse effect on human health.  |
| 12. Ecological informatio                                | n   |   |
| Ecotoxicity  | The product is not classified                               | as environmentally hazardous. However, this does not exclude the<br>ent spills can have a harmful or damaging effect on the environment |
| Persistence and degradability                            | No data is available on the d                               | egradability of this product.   |
| Bioaccumulative potential                                | No data available.  |   |
| Mobility in soil   | No data available.  |   |
| Other adverse effects                                    |   | ntal effects (e.g. ozone depletion, photochemical ozone creation on, global warming potential) are expected from this component.        |
| 13. Disposal consideration                               | ons   |   |
| Disposal instructions                                    | Collect and reclaim or dispos                               | se in sealed containers at licensed waste disposal site.  |
| Local disposal regulations                               | Dispose in accordance with                                  | all applicable regulations.   |
| Hazardous waste code                                     | The waste code should be as disposal company.               | ssigned in discussion between the user, the producer and the waste  |
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Waste from residues / unused<br/>productsDispose of in accordance with local regulations. Empty containers or liners may retain some<br/>product residues. This material and its container must be disposed of in a safe manner (see:<br/>Disposal instructions).Contaminated packagingEmpty containers should be taken to an approved waste handling site for recycling or disposal.<br/>Since emptied containers may retain product residue, follow label warnings, if applicable, even<br/>after container is emptied.

#### 14. Transport information

#### DOT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

#### Transport in bulk according to Not established. Annex II of MARPOL 73/78 and the IBC Code

#### 15. Regulatory information

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US federal regulations
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All components are listed on or exempted from the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. One or more components are not listed on TSCA.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Hazard categories

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No chemical

#### SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated. (SDWA)

## US state regulations

#### US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### 16. Other information, including date of preparation or last revision

| Issue date    | 04-14-2016 |
|---------------|------------|
| Revision date | 09-26-2017 |

Version # NFPA ratings

**NFPA** ratings

02 Health: 0 Flammability: 0 Instability: 0



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