



# Safety Data Sheet

Preparation Date 08-Feb-2016

Revision date 17-Feb-2016

Revision Number: 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

Product Description: RiceEDGE 60 DF

### Other means of identification

Item#: RC-32  
Synonyms Not Available  
Registration number(s) 71085-32

### Recommended use of the chemical and restrictions on use

Recommended use Herbicide.  
Uses advised against Activities contrary to label recommendation

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

RiceCo LLC  
5100 Poplar Avenue, Suite 2428  
Memphis. Tennessee  
38137

#### Emergency telephone number

Company Phone Number (888)835-1313  
Emergency telephone number (504) 439-3140  
(727) 374-5705

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|   |            |
|---|------------|
| Acute toxicity - Oral                     | Category 4 |
| Acute toxicity - Dermal                   | Category 4 |
| Acute toxicity - Inhalation (Gases)       | Category 2 |
| Acute toxicity - Inhalation (Vapors)      | Category 3 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Serious eye damage/eye irritation         | Category 2 |
| Carcinogenicity                           | Category 2 |

### Label elements

#### EMERGENCY OVERVIEW

#### DANGER

#### hazard statements

HARMFUL IF SWALLOWED  
Harmful in contact with skin  
Fatal if inhaled  
Causes serious eye irritation  
Suspected of causing cancer

**appearance** Light To dark brown**Physical state** solid**Odor** sweet**Precautionary Statements - Prevention**

Do not handle until all safety precautions have been read and understood

Wear cold insulating gloves/face shield/eye protection

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

In case of inadequate ventilation wear respiratory protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

Call a POISON CENTER or doctor if you feel unwell

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life

### 3. Composition/information on Ingredients

| Chemical name                        | CAS-No      | Weight % | Trade secret |
|--------------------------------------|-------------|----------|--------------|
| Propanil                             | 709-98-8    | 60       |              |
| Halosulfuron-methyl                  | 84084-01-4  | 0.47     |              |
| Silicon dioxide                      | 112926-00-8 | 1.5      |              |
| Kaolinite, Hydrous Aluminum Silicate | 1332-58-7   | 23.1     |              |

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. First aid measures

**FIRST AID MEASURES****Eye contact**

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or

doctor for treatment advice.

|                                   |   |
|-----------------------------------|---|
| <b>Skin contact</b>               | Take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.   |
| <b>Inhalation</b>                 | Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. |
| <b>Ingestion</b>                  | Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Do not give any liquids.   |
| <b>Protection of First-aiders</b> | Use personal protective equipment.  |

#### **Most Important Symptoms and Effects, Both Acute and Delayed**

**Most Important Symptoms and Effects** No information available.

#### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician** Treat symptomatically.

### **5. Fire-fighting measures**

#### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>).  
Use: Dry chemical. Water spray. alcohol-resistant foam.

**Unsuitable extinguishing media** No information available.

#### **Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating gases and vapours.

**Hazardous combustion products** Hydrogen chloride. Chlorine gas.

#### **Explosion data**

#### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **6. Accidental release measures**

#### **Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid contact with the skin and the eyes. Remove all sources of ignition. Wear protective gloves/clothing and eye/face protection.

#### **Environmental Precautions**

**Environmental precautions** Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

#### **Methods and material for containment and cleaning up**

**Methods for Clean-Up** Pick up and transfer to properly labelled containers. Ground and bond containers when transferring material. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### **7. Handling and Storage**

**Precautions for safe handling**

**Handling** Wear personal protective equipment. Avoid contact with skin and eyes. Remove all sources of ignition. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep in properly labelled containers.

**incompatible materials** Strong oxidizing agents.

## 8. Exposure Controls/Personal Protection

**Exposure guidelines**

| Chemical name                        | ACGIH TLV  | OSHA PEL   |
|--------------------------------------|--|--|
| Silicon dioxide                      |  | (vacated) TWA: 6 mg/m <sup>3</sup><br>TWA: 20 mppcf : (80)/(%) SiO <sub>2</sub> mg/m <sup>3</sup> TWA  |
| Kaolinite, Hydrous Aluminum Silicate | TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction | TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction |

**Engineering controls** Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

**Personal protective equipment****Eye/Face Protection**

Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. If splashes are likely to occur, wear: Goggles.

**Skin protection**

Wear protective gloves/clothing. Chemical resistant footwear plus socks. Long sleeved clothing.

**Respiratory protection**

Select respirator with an organic vapor cartridge with prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with organic vapor cartridge or canister with any N,P,R, or HE filter.

**General hygiene considerations**

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

|                                     |                          |                                      |       |
|-------------------------------------|--------------------------|--------------------------------------|-------|
| <b>Physical state</b>               | solid                    | <b>Odor</b>                          | sweet |
| <b>appearance</b>                   | Light To dark brown      |                                      |       |
| <b>color</b>                        | No information available |                                      |       |
| <b>Property</b>                     | <b>VALUES</b>            | <b>Remarks/ • Method</b>             |       |
| <b>pH</b>                           | 4.91                     | 1% W/W dispersion in distilled water |       |
| <b>Melting point/freezing point</b> | No information available |                                      |       |
| <b>Boiling Point/Range</b>          | No information available |                                      |       |
| <b>Flash Point</b>                  | No information available |                                      |       |
| <b>Evaporation Rate</b>             | No information available |                                      |       |
| <b>flammability (solid, gas)</b>    | No information available |                                      |       |
| <b>Flammability limit in air</b>    |                          |                                      |       |
| <b>Upper Flammability Limit</b>     | No information available |                                      |       |
| <b>Lower Flammability Limit</b>     | No information available |                                      |       |
| <b>vapor pressure</b>               | 0.1 mmHg @ 20 C/68 F     |                                      |       |

|  |                          |
|--|--------------------------|
| Vapor Density                          | >1                       |
| Specific gravity                       | 1.205                    |
| Water solubility                       | No information available |
| Solubility in Other Solvents           | No information available |
| Partition coefficient: n-octanol/water | No information available |
| Autoignition temperature               | No information available |
| decomposition temperature              | No information available |
| Viscosity, kinematic                   | No information available |
| Dynamic viscosity                      | No information available |
| Explosive properties                   | No information available |
| Oxidizing properties                   | No information available |

**OTHER INFORMATION**

|                  |                          |
|------------------|--------------------------|
| Softening point  | No information available |
| molecular weight | No information available |
| VOC Content      | No information available |
| density          | No information available |
| Bulk density     | No information available |

## 10. Stability and Reactivity

**Reactivity**

no data available

**Chemical stability**

Stable under normal conditions. Hazardous polymerisation does not occur.

**Possibility of hazardous reactions**

None under normal processing.

|                                 |  |
|---------------------------------|--|
| <b>Hazardous polymerization</b> | Hazardous polymerisation does not occur. |
|---------------------------------|--|

**Conditions to avoid**

Strong acids. Strong bases. Strong oxidizing agents.

**incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

Thermal decomposition can lead to release of irritating gases and vapours. Hydrogen chloride. Organic acids. chloroanilines.

## 11. Toxicological Information

**Information on Likely Routes of Exposure****Product information**

RiceEDGE 60 DF  
 Oral LD50 (rat) = 1750 mg/kg  
 Dermal LD50 (rat) >2000 mg/kg  
 Inhalation LC50 dust (rat) = 2.08 mg/L

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause irritation of respiratory tract. |
| <b>Eye contact</b>  | Severely irritating to eyes.               |
| <b>Skin contact</b> | Moderately irritating to the skin.         |
| <b>Ingestion</b>    | HARMFUL IF SWALLOWED.                      |

| Chemical name        | LD50 Oral   | LD50 Dermal  | LC50 Inhalation |
|----------------------|-------------|--------------|-----------------|
| Propanil<br>709-98-8 | = 960 mg/kg | > 2000 mg/kg | -               |

**Information on Toxicological Effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**sensitization** No information available.  
**Mutagenic effects** No information available.  
**Carcinogenicity** The information below indicates whether any agency has listed any ingredient as a carcinogen.

| Chemical name                  | ACGIH | IARC    | NTP | OSHA |
|--------------------------------|-------|---------|-----|------|
| Silicon dioxide<br>112926-00-8 | -     | Group 3 |     | -    |

**Reproductive effects** Not Available.  
**STOT - Single Exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** Avoid repeated exposure.  
**Target organ effects** liver, kidney, Respiratory System, EYES, skin, Central Nervous System (CNS).  
**Aspiration hazard** No information available.

**Numerical Measures of Toxicity - Product information**

The following values are calculated based on chapter 3.1 of the GHS document .

**LD50 Oral** 1750 mg/kg (rat)  
**LD50 Dermal** > 2000 mg/kg (rat)  
**LC50 Inhalation:** 2.08 mg/l

## 12. Ecological Information

**ecotoxicity**

for active ingredient - Propanil  
 Bluegill sunfish 96 hr LC50 = 5.4 mg/L  
 Rainbow trout 96 hr LC50 = 2.3 mg/L  
 Quail Oral LD50 = 196 mg/kg  
 Quail 8 day dietary LC50 = 2861 ppm  
 Mallard duck 8 day dietary LC50 = 5627 ppm  
 Daphnia magna 48 hr EC50 = 0.14 mg/L  
 Estuarine and marine organism 48-96 hr EC50 = 0.4 - 5.8 mg/L

**Persistence/Degradability**

No information available.

**Bioaccumulation/ Accumulation**

Bioaccumulative potential.

| Chemical name        | Log Pow |
|----------------------|---------|
| Propanil<br>709-98-8 | 3.07    |

**Other Adverse Effects**

No information available

## 13. Disposal Considerations

**Waste Treatment Methods**

**Waste Disposal Method**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Contaminated packaging**

Refer to product label.

## 14. Transport Information

**DOT** When shipped domestically by highway in non-bulk containers this product can be shipped as not regulated. When shipped in bulk, by vessel, or internationally use the IMDG shipping description:

**TDG** When shipped in Canada domestic highway non-bulk this product can be shipped as Not regulated as per TDG 1.45.1

### **IATA**

|                             |   |
|-----------------------------|---|
| <b>UN-No</b>                | UN3077  |
| <b>Proper shipping name</b> | Environmentally hazardous substances, solid, n.o.s (Propanil) |
| <b>Hazard class</b>         | 9   |
| <b>Packing group</b>        | PG III  |
| <b>Description</b>          | Marine Pollutant  |

### **IMDG/IMO**

|                             |   |
|-----------------------------|---|
| <b>UN-No</b>                | UN3077  |
| <b>Proper shipping name</b> | Environmentally hazardous substances, solid n.o.s. (Propanil) |
| <b>Hazard class</b>         | 9   |
| <b>Packing group</b>        | PG III  |
| <b>Marine Pollutant</b>     | Marine Pollutant  |

## 15. Regulatory Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**signal word** WARNING!

**Ventilation Control** PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

**Keep out of Reach of Children. Causes substantial but temporary eye injury. Harmful if swallowed. Toxic to fish and aquatic invertebrates. Toxic to non-vascular plants.**

### **International Inventories**

|                           |                 |
|---------------------------|-----------------|
| <b>USINV</b>              | Not determined  |
| <b>DSL/NDSL</b>           | Not determined  |
| <b>EINECS/<br/>ELINCS</b> | Does not comply |
| <b>ENCS</b>               | Does not comply |
| <b>China</b>              | Does not comply |
| <b>KECL</b>               | Does not comply |
| <b>PICCS</b>              | Does not comply |
| <b>AICS</b>               | Does not comply |
| <b>TSCA</b>               | Does not comply |

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372:

| Chemical name       | SARA 313 - Threshold Values |
|---------------------|-----------------------------|
| Propanil - 709-98-8 | 1.0                         |

#### SARA 311/312 Hazardous

##### Categorization

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | yes |
| Chronic health hazard             | yes |
| Fire hazard                       | yes |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | yes |

#### CERCLA

SARA Product RQ 0

#### RCRA

##### Pesticide Information

| Component                   | FIFRA - Restricted Use | FIFRA - Pesticide Product Other Ingredients | FIFRA - Listing of Pesticide Chemicals | California Pesticides - Restricted Materials |
|-----------------------------|------------------------|---|--|--|
| Propanil<br>709-98-8 ( 60 ) |                        |   |  | Present                                      |

#### State Regulations

#### State Right-to-Know

| Chemical name                        | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|--------------------------------------|---------------|------------|--------------|----------|--------------|
| Propanil                             |               | X          |              |          |              |
| Silicon dioxide                      | X             | X          | X            |          |              |
| Kaolinite, Hydrous Aluminum Silicate | X             | X          | X            |          |              |

#### International regulations

##### U.S. EPA Label information

EPA Pesticide registration number 71085-32

### 16. Other Information

**NFPA** HEALTH 2 flammability 1 Instability 0 Physical hazard -

Preparation Date 08-Feb-2016

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#### Revision Summary

Update section 14

#### Disclaimer

The information contained in this SDS relates to this specific product. It may not be valid for this product if used in combination with any other product or in any process. It is the users' responsibility to satisfy themselves as to the suitability and completeness of this information for their own particular use.



**End of MSDS**