



Safety Data Sheet

Preparation Date 21-May-2015

Revision date 04-Jun-2015

Revision Number: 2

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

Product identifier

Product Description: RiceBeaux

Other means of identification

Item#: RC-30
Synonyms Not Available
Registration number(s) 71085-30

Recommended use of the chemical and restrictions on use

Recommended use No information available.
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 - Dermal | Category 4 |
| Acute toxicity - Inhalation (Gases) | Category 3 |
| Acute toxicity - Inhalation (Vapors) | Category 3 |
| Serious eye damage/eye irritation | Category 2A |
| Carcinogenicity | Category 2 |
| FLAMMABLE LIQUIDS | Category 4 |

Label elements

EMERGENCY OVERVIEW

DANGER

hazard statements

Toxic if inhaled
Suspected of causing cancer
Toxic to aquatic life
combustible liquid

**appearance** brown**Physical state** liquid**Odor** characteristic**Precautionary Statements - Prevention**

Do not handle until all safety precautions have been read and understood
 Do not handle until all safety precautions have been read and understood
 Wear cold insulating gloves/face shield/eye protection
 Do not get in eyes, on skin, or on clothing
 Use only outdoors or in a well-ventilated area
 Wash face, hands and any exposed skin thoroughly after handling
 Do not spray on an open flame or other ignition source
 Ground/bond container and receiving equipment

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
 Call a POISON CENTER or doctor/physician
 In case of fire: Use CO₂, dry chemical, or foam for extinction

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
- May be harmful in contact with skin

3. Composition/information on Ingredients

| Chemical name | CAS-No | Weight % | Trade secret |
|---------------|------------|----------|--------------|
| Propanil | 709-98-8 | 35 | |
| Thiobencarb | 28249-77-6 | 31 | |
| Isophorone | 78-59-1 | 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.

Skin contact

Take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

Inhalation

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.

Ingestion

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.

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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical

No information available.

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. Provide adequate ventilation. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.

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**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling**Handling**

Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from open flames, hot surfaces and sources of ignition. Provide adequate ventilation. 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 dry, cool and well-ventilated place.

incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

8. Exposure Controls/Personal Protection

Exposure guidelines

| Chemical name | ACGIH TLV | OSHA PEL |
|---------------|----------------|--|
| Isophorone | Ceiling: 5 ppm | TWA: 25 ppm TWA: 140 mg/m ³ (vacated) TWA: 4 ppm (vacated) TWA: 23 mg/m ³ |

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. Goggles.

Skin protection

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

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

| | | | |
|-----------------------|--------------------------|-------------|----------------|
| Physical state | liquid | Odor | characteristic |
| appearance | brown | | |
| color | No information available | | |

| <u>Property</u> | <u>VALUES</u> | <u>Remarks/ • Method</u> |
|---|--------------------------|--------------------------|
| pH | 5.80 | |
| Melting point/freezing point | No information available | |
| Boiling Point/Range | No information available | |
| Flash Point | 83 °C / 181 °F | |
| Evaporation Rate | No information available | |
| flammability (solid, gas) | No information available | |
| Flammability limit in air | | |
| Upper Flammability Limit | No information available | |
| Lower Flammability Limit | No information available | |
| vapor pressure | No information available | |
| Vapor Density | No information available | |
| Specific gravity | 1.1287 | |
| 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 recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

Strong acids. Strong bases. 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

RiceBeaux
 Inhalation LC50 (rat) = >4.297 mg/L (14 days)
 Oral DL50 (rat) - 2500 mg/kg
 Dermal LD50 (rat) = >2000 mg/kg

Inhalation May cause irritation of respiratory tract.
Eye contact Moderately irritating to the eyes.
Skin contact May be harmful if absorbed through the skin.
Ingestion HARMFUL IF SWALLOWED.

| Chemical name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------|--|---|----------------------|
| Propanil 709-98-8 | = 960 mg/kg | > 2000 mg/kg | - |
| Thiobencarb 28249-77-6 | = 1033 mg/kg (Rat) = 920 mg/kg (Rat) | > 2000 mg/kg (Rat) = 2900 mg/kg (Rat) > 2 g/kg (Rabbit) | - |
| Isophorone 78-59-1 | - | - | = 7 mg/L (Rat) 4 h |

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 |
|---------------|-------|------|-----|------|
| | | | | |

| | | | | |
|---------------------------------|---------------------------|--|--|---|
| Isophorone 78-59-1 | A3 | | | - |
| Reproductive effects | Not Available. | | | |
| STOT - Single Exposure | No information available. | | | |
| STOT - repeated exposure | No information available. | | | |
| Aspiration hazard | No information available. | | | |

Numerical Measures of Toxicity - Product information

| | |
|-------------------------|------------------------------------|
| LD50 Oral | 2500 mg/kg (rat) |
| LD50 Dermal | > 2000 mg/kg (rat) |
| LC50 Inhalation: | Inhalation LC50 > 4.297 mg/l (rat) |

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 709-98-8 | 3.07 |
| Isophorone 78-59-1 | 1.66 |

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 4.22 and 1.45.1

IATA

| | |
|-----------------------------|--|
| UN-No | UN3082 |
| Proper shipping name | Environmentally hazardous substances, liquid, n.o.s (Propanil) |
| Hazard class | 9 |
| Packing group | PG III |
| Description | Marine Pollutant |

IMDG/IMO

| | |
|-----------------------------|--|
| UN-No | UN3082 |
| Proper shipping name | Environmentally hazardous substances, liquid, n.o.s (Propanil) |
| Hazard class | 9 |
| Packing group | PG III |
| Marine Pollutant | 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 CAUTION

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. Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Toxic to fish and aquatic invertebrates.

International Inventories

| | |
|---------------------------|-----------------|
| USINV | Not determined |
| DSL/NDSL | Not determined |
| EINECS/ ELINCS | Does not comply |
| ENCS | Does not comply |
| China | Does not comply |
| KECL | Does not comply |
| PICCS | Does not comply |
| AICS | Does not comply |
| TSCA | 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 does not contain any 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 |
| Thiobencarb - 28249-77-6 | 1.0 |

SARA 311/312 Hazardous

Categorization

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

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Isophorone 78-59-1 | | X | X | |

| Chemical name | RQ | CERCLA EHS RQs | RQ |
|-----------------------|---------|----------------|---|
| Isophorone 78-59-1 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |

CERCLA

| Component | RQ |
|-----------------------------|---------|
| Isophorone 78-59-1 (1) | 5000 lb |

RCRA

Pesticide Information

| Component | FIFRA - Restricted Use | FIFRA - Pesticide Product Other Ingredients | FIFRA - Listing of Pesticide Chemicals | California Pesticides - Restricted Materials |
|----------------------------------|------------------------|---|--|--|
| Propanil 709-98-8 (35) | | | X | Present |
| Thiobencarb 28249-77-6 (31) | | | X | Present |
| Isophorone 78-59-1 (1) | | | X | |

State Regulations

State Right-to-Know

| Chemical name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|---------------|---------------|------------|--------------|----------|--------------|
| Propanil | | X | | | |
| Thiobencarb | | X | | | |
| Isophorone | X | X | X | X | |

International regulations

U.S. EPA Label information

EPA Pesticide registration number 71085-30

16. Other Information

NFPA HEALTH 1 flammability 1 Instability 0 Physical hazard -

Preparation Date 21-May-2015
 Revision date 04-Jun-2015
 Revision Summary
 Update section 14

End of MSDS