

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

Product identifier

Product Description: RICEPRO

Other means of identification

Item#: RC-26
Synonyms Not Available
Registration number(s) 71085-26

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 3
Acute toxicity - Inhalation (Vapors)	Category 3

Label elements

EMERGENCY OVERVIEW

DANGER

hazard statements

HARMFUL IF SWALLOWED
 Harmful in contact with skin
 Toxic if inhaled
 Toxic to aquatic life



appearance light to dark brown	Physical state liquid	Odor sweet
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Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Wear protective gloves/protective clothing/eye protection/face protection
 Do not get in eyes, on skin, or on clothing
 Use only outdoors or in a well-ventilated area

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

Precautionary Statements - Storage

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

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	43	
8-Quinolinecarboxylic acid, 3,7-dichloro-	84087-01-4	2	

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 a 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.
Protection of First-aiders	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 (CO₂).
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	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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.
<u>Personal protective equipment</u>	
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

Physical state	liquid	Odor	sweet
appearance	light to dark brown		
color	No information available		
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ • Method</u>	
pH	4.91	1% W/W dispersion in distilled water	
Melting point/freezing point	No information available		
Boiling Point/Range	No information available		
Flash Point	No information available		
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	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.

Hazardous polymerization

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**

RicePro

Oral LD50 (rat) = <2000 mg/kg

Dermal LD50 (rat) = >2000 mg/kg

Inhalation LC50 (rat) >2.12.mg/L

Inhalation

May cause irritation of respiratory tract.

Eye contact

May cause irritation.

Skin contact

Causes mild skin irritation.

Ingestion

HARMFUL IF SWALLOWED.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propanil 709-98-8	-	= 4830 mg/kg (Rabbit)	= 2.8 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.

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**LD50 Oral**

>2000 mg/kg (rat)

LD50 Dermal

> 2000 mg/kg (rat)

LC50 Inhalation:

Inhalation LC50 > 2.12 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

Quinclorac
 Rainbow trout 96 hr LC50 = > 100 mg/L
 Bobwhite quail Oral LD50 = >2000 mg/L

Persistence/Degradability

No information available.

Bioaccumulation/ Accumulation

Bioaccumulative potential.

Chemical name	Log Pow
Propanil 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.

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. Toxic to fish and aquatic invertebrates. Causes moderate eye irritation. Do not store with food, feed, drugs, or clothing. Harmful if swallowed. Harmful if absorbed through the skin.

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 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

RCRAPesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Propanil 709-98-8 (43)			X	Present
8-Quinolincarboxylic acid, 3,7-dichloro- 84087-01-4 (2)			X	

State RegulationsState Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Propanil		X			

International regulationsU.S. EPA Label information

EPA Pesticide registration number 71085-26

16. Other Information

NFPA

HEALTH 2

flammability 1

Instability 0

Physical hazard -

Preparation Date

21-May-2015

Revision date

04-Jun-2015

Revision Summary

Update section 14

End of MSDS