

**RICEPYR LC\***

Date Prepared: December 30, 2008

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

## PRODUCT IDENTIFICATION

Product Name: RicePyr LC\*, RicePyr  
Chemical Name: 3,4-dichloropropionanilide  
3,5,6-tichloro-2-pyridinyloxyacetic acid triethylamine salt  
EPA Reg. No.: 71085-29

## HAZARD CLASSIFICATION (0-minimal, 1-slight, 2-moderate, 3-serious, 4-severe)

NFPA: HEALTH -2 FIRE - 2 REACTIVITY - 0  
HMIS: HEALTH - 2 FIRE - 2 REACTIVITY - 0

## MANUFACTURER

Company Name: RiceCo L.L.C.  
Address: 5100 Poplar Avenue, Suite 2428  
Memphis, Tennessee 38137 USA

## EMERGENCY TELEPHONE NUMBER(S):

RiceCo L.L.C. (888) 835-1313  
Global Logistics: (504) 439-3140 or (727) 374-5705

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Component Name	% by Wt.	CAS Number	TWA/STEL	ACGIH(TLV)/OSHA (PEL)
3,4-dichloropropionanilide	35.0	709-98-8	5mg/m <sup>3</sup> /10mg/m <sup>3</sup>	Not established
Related Propanil reaction Products	1.2			
3,5,6-tichloro-2-pyridinyloxyacetic acid	3.8	57212-69-1	1 ppm TWA, 3 ppm STEL	10 ppm /TWA, 15 ppm STEL
Isophorone -RQ 5000 Lbs.		78-59-1		CL5 /25
Petroleum Distillate		64742-94-5		

**3. HAZARDS IDENTIFICATION**

## EMERGENCY OVERVIEW

Primary routes of exposure are: Inhalation, ingestion, skin contact and eye contact

## POTENTIAL HEALTH EFFECTS

Inhalation: Vapor can irritate the nose and throat and cause drowsiness, slurred speech, headache, nausea, dizziness, stupor and unconsciousness.  
Eye Irritation: Moderately to strongly irritating  
Skin Irritation: May be irritating to skin upon repeated or prolonged exposure.  
Skin Absorption: Slightly toxic if absorbed through the skin.  
Ingestion: May cause stupor, dizziness, fever, drowsiness, and blue lips and fingernails.

**4. 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 the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.  
Skin Contact: Take off contaminated clothing. Do not reuse contaminated clothing until laundered. Wash skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice if irritation continues.  
Ingestion: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

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Inhalation: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably by mouth-to-mouth if possible..

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**5. FIRE FIGHTING MEASURES**

Flash Point: 74.5 ± 0.6° C  
Flammable Limits: LEL: 0.8% (Isophorone)  
Autoignition Temperature (°F): 864°F (Isophorone)

**FIRE FIGHTING HAZARDS AND PROCEDURES**

General Hazard: Prevent human exposure to fire, smoke, fumes or products of combustion. Stay upwind and keep safe distance from the fire.

Unusual Fire, Explosion And Reactivity Hazards: Combustion produces noxious fumes, hydrogen chloride, chlorine, organic acids and chloroanilines. Pesticide particulates may become airborne. Closed containers may rupture via pressure build-up when exposed to fire or extreme heat.

Extinguishing Media: Use dry chemical, carbon dioxide, water spray, water fog or chemical foam. Runoff should be contained.

Fire Fighting Equipment: Wear full protective clothing and self-contained breathing apparatus (pressure demand MSHA/NIOSH approved or equivalent). Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated. Runoff should be contained.

Special Procedures: Move containers promptly out of fire zone. If removal is impossible, cool containers with water spray. Do not use a solid stream of water. A solid stream of water can spread fire. Remain upwind. Avoid breathing noxious fumes from fire-exposed material. Runoff should be contained.

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**6. ACCIDENTAL RELEASE MEASURES**

Spill or Leak: Eliminate all ignition sources. Ventilate the spill area. Comply with fire, explosion, safety precaution, personal protective equipment sections of this MSDS before proceeding with cleanup. Absorb material with inert material such as 'oil dry' and transfer to suitable container. Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Contact RiceCo or Global Logistics if assistance is needed. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424-8802, refer to SARA Title III, Section 313 40 CFR 372, and CERCLA 40 CFR 302 for complete regulations concerning reporting requirements.

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**7. HANDLING AND STORAGE**

Storage Conditions: Keep containers tightly closed when not in use. Avoid temperature extremes, ambient temperature preferred. Do not store or consume food, drink or tobacco in areas where they may become contaminated by this material. Store in a well ventilated area away from excessive heat (e.g. steampipes, radiators), from sources of ignition, and from reactive materials. Store out of direct sunlight in a cool place. Store in a dry area. Store in a secure area away from children.

Handling Procedures: Do not handle material near food, feed, tobacco or drinking water. Wash after handling and shower thoroughly at end of work period.

Other: Improper disposal or re-use of product container may be dangerous and illegal. Refer to local, state, tribal and federal regulations regarding safe handling and disposal of chemical and chemical containers. Dispose of empty containers in a sanitary landfill or by incineration as allowed by state,

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local, tribal and federal authorities. Avoid inhalation of smoke, if incinerated.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**PESTICIDE APPLICATORS & WORKERS**

These workers must refer to the Product Label and Directions for Use attached to the product for Agriculture Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170.

**MANUFACTURING, COMMERCIAL BLENDING and REPACKAGING WORKERS**

Ventilation:	Provide local exhaust ventilation and/or general dilution ventilation to control mist or vapor concentration and to meet published exposure limits.
Respiratory Protection:	Up to 10 times the exposure limit: Wear a MSHA/NIOSH approved half-mask, air purifying respirator or equivalent. Up to 100 times the exposure limit: Wear a MSHA/NIOSH approved full-face piece, air purifying respirator or equivalent. Above 100 times the exposure limit: Wear a NIOSH approved self-contained breathing apparatus in the positive pressure mode or NIOSH approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions. Air purifying respirators should be equipped with pesticide cartridges (organic vapor cartridge and pesticide pre-filter).
Eye Protection:	Use chemical splash goggles (ANSI Z-87.1 or approved equivalent).
Hand Protection:	Butyl rubber and nitrile gloves may provide protection against permeation. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands thoroughly with soap and water.
Other Protection:	Wear long-sleeved shirt, long pants, shoes, socks and chemical resistant apron or other impervious clothing to avoid prolonged or repeated exposure to skin.
Engineering Controls (Ventilation):	Use explosion proof local exhaust with a minimum capture velocity of 100 ft/min (0.5 m/sec) at the point of vapor or mist evolution. Refer to the current edition of <u>Industrial Ventilation: A Manual of Recommended Practice</u> published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use and maintenance of exhaust systems.
Other Protection Equipment:	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Vapor Pressure:	Not determined
Vapor Density:	Not determined
Viscosity: Centistokes	31.048 (20°C) – 12.940 (40° C)
Density:	8.7 lbs. per gallon
Solubility in Water:	Emulsifies in water
Solubility in Alcohol:	miscible
pH:	3.68 ± 0.01
Boiling Point:	Not determined
Melting Point:	Not determined
Odor:	Faint odor
Color:	Dark amber to brown color
Physical State:	Clear Liquid

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General:	This material is considered to be stable; however, contact with ignition sources such as sparks, open flame and heated surfaces are to be avoided.
Hazardous Decomposition:	Thermal decomposition may yield noxious fumes such as hydrogen chloride, organic acids and chloroanilines.
Hazardous Polymerization:	This material will not undergo polymerization.
Incompatibility:	Avoid strong acids, strong alkalis and oxidizers.

**11. TOXICOLOGICAL INFORMATION****ACUTE**

Inhalation:	Oral LC <sub>50</sub> rat: >2.10 mg/L for 14 days
Eye Irritation:	Rabbit – severely irritating
Skin Irritation:	Rabbit – severely irritating
Oral LD <sub>50</sub>	Rat - >550 mg/kg
Dermal LD <sub>50</sub>	Rat - >2000 mg/kg

**12. ECOLOGICAL INFORMATION**

The data listed below are from studies conducted on the technical material, 96 – 98% active ingredient propanil.

Environmental Toxicity:	Bluegill sunfish (Lepomis macrochirus) LC <sub>50</sub> - 96 hr.	5.4 mg/l
	Rainbow Trout (Salmo gairdneri) LC <sub>50</sub> – 96 hr.	2.3 mg/l
	Quail, Oral LD <sub>50</sub>	196 mg/kg
	Quail, 8-day Dietary LC <sub>50</sub>	2861 ppm
	Mallard duck, 8-day Dietary LC <sub>50</sub>	5627 ppm
	Daphnia magna, 48 hr. EC <sub>50</sub>	0.14 mg/l
	Estuarine and marine organism, 48-96 hr. EC <sub>50</sub>	0.4 – 5.8 mg/l
	This product is toxic to fish and aquatic invertebrate	

**13. DISPOSAL CONSIDERATIONS**

For disposal, incinerate this material at a facility that complies with local, state, tribal and federal regulations. The above recommendation covers disposal of material only as supplied. Refer to package labeling for more information.

**14. TRANSPORT INFORMATION:**

Department of Transportation (DOT):	Not-regulated
International Air Transport Association (IATA):	Not-regulated
International Maritime Organization (IMCO):	
UN Classification:	

This classification is for use when shipping in non-bulk packaging for domestic surface transportation only. Exceptions in CFR 49 Parts 171-177 may apply. Consult CFR 49 Parts 171-177 to determine appropriate classification when shipping in bulk packages or when shipping by ocean or air.

**15. REGULATORY INFORMATION**

<b>OSHA:</b>	This product is considered hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200)
<b>TSCA:</b>	This product is subject to regulation under the US Federal Insecticide,

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- CERCLA:** Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from U.S. Toxic Substances Control Act (TSCA) Inventory listing requirements.  
(40CFR 302.4) This material contains a component or components with a reportable quantity under the Comprehensive Environmental Response Act (SARA) Title III Section 304. The component(s), CAS number(s), and reportable quantity are listed below. Spills of a component in excess of its reportable quantity must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations.
- RCRA:** Isophorone (78-59-1) 5,000 lbs.  
When a decision is made to discard this material as supplied, it is classified as a RCRA hazardous waste with the characteristic of ignitability, hazardous waste number: D001
- SARA TITLE III:**  
**311/312 Hazard Categories:** (40CFR370) This product is a hazardous chemical under 29CFR 1910.1200 and is categorized as an immediate and delayed health, and flammability physical hazard.
- 313 Reportable Ingredients:** (40CFR372) This product contains a chemical which is listed in Section 313 or above de minimis concentrations. The following listed chemical(s) are present (quantity stated above on this MSDS):  
-Isophorone (78-59-1)

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**16. OTHER INFORMATION**

## REVISION SUMMARY

This Material Safety Data Sheet (MSDS) has been revised using the standard ANSI Z400.1 compliant format and replaces the one dated May 5, 2008.

***THE INFORMATION CONTAINED IN THIS MSDS RELATES TO THIS SPECIFIC PRODUCT. IT MAY NOT BE VALID FOR THIS PRODUCT IF USED IN COMBINATION WITH ANY OTHER PRODUCTS 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.***

