

# **Safety Data Sheet**

# United Phosphorus, Inc.

Preparation Date 30-Apr-2015 Revision date 30-Nov-2018 Revision Number: 2

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

Product identifier

Product Description: Lambda-Cy EC - RUP

Other means of identification

 Product code
 12U-153

 ADR
 UN3352

 Registration number(s)
 70506-121

Recommended use of the chemical and restrictions on use

Recommended use Insecticide.

Uses advised against Activities contrary to label recommendation

**Details of the Supplier of the Safety Data Sheet** 

Supplier Address
United Phosphorus Inc.
630 Freedom Business Center
Suite 402
King of Prussia, PA 19406

**Emergency telephone number Company Phone Number**1-800-438-6071

Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887

Medical: Rocky Mountain Poison Control Center

(866) 673-6671 (24hrs)

# 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 3
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 2
Aspiration toxicity	Category 1

## Label elements

## **EMERGENCY OVERVIEW**

# DANGER

# Hazard Statements

Toxic if swallowed

Harmful in contact with skin

Fatal if inhaled

May be fatal if swallowed and enters airways



Appearance Light Yellow clear

Physical state Liquid

Odor aromatic solvent

## **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 breathe dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area

In case of inadequate ventilation wear respiratory protection

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: Immediately call a POISON CENTER or doctor/physician

Rinse mouth

Do NOT induce vomiting

#### **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-%
lambda-cyhalothrin (ISO)	91465-08-6	11.4
Solvesso 200	64742-94-5	78

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** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Call a poison control center or doctor for treatment

advice.

**Skin contact** Wash off immediately with soap and plenty of water for at least 15 minutes while removing

all contaminated clothing and shoes. 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 physician or poison

control center immediately.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting without

medical advice. Call a physician or poison control center immediately.

**Protection of First-aiders** Use personal protective equipment.

Most Important Symptoms and Effects, Both Acute and Delayed

Most Important Symptoms and

**Effects** 

no data available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician Treat symptomatically.

# 5. Fire-fighting measures

## Suitable extinguishing media

Use: Dry chemical. Carbon dioxide (CO2). Water spray. alcohol-resistant foam.

Unsuitable extinguishing media no data available.

#### Specific hazards arising from the chemical

Combustible material. Keep product and empty container away from heat and sources of ignition.

Hazardous combustion products Irritating gases may be formed if product is involved in a fire.

#### **Explosion data**

## Protective equipment and precautions for firefighters

Use personal protective equipment. 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** Use personal protective equipment. Avoid contact with skin and eyes. Wear protective

gloves/protective clothing and eye/face protection. Wash thoroughly after handling. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

**Environmental Precautions** 

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Keep material out of lakes, streams,

> ponds and sewer drains. Dike to confine spill and absorb with an absorbant such as clay, sand or soil. 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). Remove all ignition sources. Use non-sparking tools. Take up mechanically and

collect in suitable container for disposal.

# 7. Handling and Storage

#### Precautions for safe handling

Handling Wear personal protective equipment. Keep away from open flames, hot surfaces and

sources of ignition. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product. Keep out of reach of children. Wash

thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Keep in properly labelled containers. Keep containers tightly closed in a cool,

well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Store in an area where cross-contamination with pesticides, fertilizers, food or feed could

not occur.

**incompatible materials**No materials to be especially mentioned.

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.

Personal protective equipment

Skin protection

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. Face-shield. Wear protective gloves/clothing. Long sleeved clothing. Chemical resistant gloves.

Chemical resistant footwear plus socks.

Respiratory protection Where airborne exposure is likely, use NIOSH approved respiratory protection equipment

appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection

programs must comply with 29 CFR 1910.134.

General hygiene considerations

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

# 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state Liquid

Appearance Light Yellow clear Odor aromatic solvent

**color** No information available

Property VALUES Remarks/ • Method

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Melting point/freezing point 8 °C / 46 °F

Boiling Point/Range No information available

**Flash Point** 80 C / 176 F

Evaporation Rate No information available Flammability (solid, gas) No information available

Flammability limit in air

Upper Flammability Limit
Lower Flammability Limit
No information available
No information available
No information available

vapor pressure
Vapor Density

No information available
No information available

Specific gravity No information available Water solubility No information available Solubility in Other Solvents No information available Partition coefficient: n-octanol/waterNo information available **Autoignition temperature** no data 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
molecular weight
VOC Content
Liquid Density

No information available
No information available
No information available
No information available

# 10. Stability and Reactivity

#### Reactivity

no data available

## **Chemical stability**

Hazardous polymerisation does not occur. Stable under normal conditions.

#### Possibility of hazardous reactions

None under normal processing.

#### Conditions to avoid

Heat, flames and sparks.

## incompatible materials

No materials to be especially mentioned.

#### Hazardous decomposition products

Carbon oxides.

# 11. Toxicological Information

#### Information on Likely Routes of Exposure

Product information Lambda-Cy EC

Acute oral LD50 (rat) = 81 mg/kg Acute dermal LD50 (rat) = > 2,000 mg/kg Acute inhalation LC 50 = 0.622 mg/L - 4 hr Eye irritation = Mildly irritating (rabbit) Skin irritation = Slightly irritating (rabbit)

**Inhalation** Harmful by inhalation.

**Eye contact** Moderately irritating to the eyes.

**Skin contact** May be harmful in contact with skin. May be harmful if absorbed through the skin.

Ingestion MAY BE FATAL IF SWALLOWED.

# Information on Toxicological Effects

**Symptoms** No information available.

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

SensitizationNo information available.Mutagenic effectsno data available.CarcinogenicityLambda-Cy tech:

Not a developmental or reproductive toxicant No treatment related tumors in rats or mice.

Reproductive effects
STOT - Single Exposure
STOT - Repeated Exposure
Chronic toxicity
Aspiration hazard
Not Available.
no data available.
Avoid repeated exposure.
No information available.

#### Numerical Measures of Toxicity - Product information

**LD50 Oral** 81 mg/kg (rat) **LD50 Dermal** > 2000 mg/kg (rat)

LC50/inhalation LC50/inhalation/4h/rat = 0.622 mg/l (4-hr)

# 12. Ecological Information

Marine Pollutant.

#### ecotoxicity

Extremely toxic to fish and other aquatic organisms. Toxic to bees exposed to direct treatment. Do not apply while bees are actively visiting the treated area.

## Persistence/Degradability

no data available.

# **Bioaccumulation/ Accumulation**

Bioaccumulative potential.

Chemical name	Log Pow
Solvesso 200	2.9 - 6.1
64742-94-5	

## **Other Adverse Effects**

no data 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

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

ADR UN3352

Proper shipping name Pyrethroid pesticide, liquid, toxic (Lambda-Cyhalothrin)

Hazard class 6.1 ADR PG III

**IMDG - Marine Pollutant** Marine Pollutant.

**ICAO** 

ADR UN3352

Proper shipping name Pyrethroid pesticide, liquid, toxic (Lambda-cyhalothrin)

Hazard class 6.1 ADR PG III

**Description** IMDG - Marine Pollutant

IATA

ADR UN3352

IATA Pyrethroid pesticide, liquid, toxic (Lambda-cyhalothrin)

Hazard class 6.1 ADR PG I

**Description** IMDG - Marine Pollutant

**IMDG** 

ADR UN3352

IMDG Pyrethroid pesticide, liquid, toxic (Lambda-cyhalothrin)

 Hazard class
 6.1

 ADR
 PG III

 EmS No.
 F-A, S-A

 IMDG
 Yes

# 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.

Restricted Use Pesticide. Keep out of Reach of Children. May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. COMBUSTIBLE.

**International Inventories** 

USINV Present
DSL/NDSL Not present
EINECS/ Not Present

**ELINCS** 

ENCS Not Present
China Present
KECL Present
PICCS Present
AICS Present
TSCA Not Present

**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 40 of the Code of Federal Regulations, Part 372.

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

**CERCLA** 

Not applicable

CERCLA

SARA Product RQ 0

**RCRA** 

**Pesticide Information** 

**State Regulations** 

State Right-to-Know

Not applicable

International regulations

U.S. EPA Label information

EPA Pesticide registration number 70506-121

## 16. Other Information

NFPA HEALTH 3 flammability 2 Instability 0 Physical hazard -

Preparation Date 30-Apr-2015 Revision date 30-Nov-2018

Revision Summary
3 year cycle update\*\*\*

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**End of SDS**