

**SAFETY DATA SHEET (SDS)**

**RESIDUAL SPRAY**

Manufactured For: SUPERCO SPECIALTY PRODUCTS  
25041 ANZA DRIVE  
VALENCIA, CA 91355  
Tel: 661-775-8877  
Fax: 661-775-8884  
E: info@supercoproducts.com

**Issue Date:** 13-Apr-2015

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS.

**Section 1: Product Identification**

**Product identifier**

**Product Name:** RESIDUAL SPRAY  
**EPA Registration Number:** 84396-12

**Other means of identification**

**Part Code:** 5130, 513041

**Recommended use of the chemical and restrictions on use:**

**Recommended Use:** A residual insecticide for crawling insects.

**Details of the supplier of the safety data sheet**

**Supplier Address:**

**Superco Specialty Products**  
25041 Anza Drive  
Valencia, CA 91355  
FAX #: (661)775-8884  
Telephone Number: (800)320-0102, or (661) 775-8877  
e-Mail Address: info@supercoproducts.com

**Emergency telephone numbers:**

**24 Hour TRANSPORTATION Emergency:** INFOTRAC®: (800) 535-5053 - Contract #78479  
**International:** (352) 323-3500

**24 Hour MEDICAL Emergency:** Safety Call®: (888) 740-8712, or (952) 852-9509

**Comments:** For MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call 24 hours a day to (888) 740-8712, or (952) 852-9509.

**Section 2: Hazard(s) Identification**

**Classification**

**OSHA Regulatory Status:**

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

Eye irritation	Category 2A
Skin irritation	Category 2
Aspiration hazard	Category 1
Specific target organ toxicity – single exposure	Category 3A (central nervous system)
Flammable liquids	Category 4

**DANGER****Hazard statements**

- H315 - Causes skin irritation
- H304 - May be fatal if swallowed and enters airways
- H402 - Harmful to aquatic life, birds and other wildlife.
- H227 - Combustible liquid
- H336- May cause drowsiness or dizziness.

**Appearance:** Colorless to light Yellow**Physical state:** Liquid**Odor:** Solvent**Precautionary Statements - Prevention:**

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 P261 Avoid breathing fume, mist, vapor, or spray.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response:**

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 P302 +352 IF ON SKIN: Wash with plenty of soap and water.  
 P304 + P340 + P312: 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 you feel unwell.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P331 Do NOT induce vomiting  
 P370 + P378 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage:**

- P405 Store locked up  
 P403 + P235 Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal:**

- P501 Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC):**

Not applicable.

**3.COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
2-Isopropoxyphenyl ( propoxur)	114-26-1	1
2-butoxy ethanol	111-76-2	5-20
Petroleum distillates, hydrotreated light	64742-47-8	80-95

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

Comments: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

**4. FIRST AID MEASURES**

**Aspiration pneumonia hazard:** • May be fatal if swallowed and enters airways.

**Description of first aid measures:**

**Ingestion:** If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

**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. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation:** Remove affected 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.

**Self-protection of the First Responder:** Use personal protective equipment as required.

**Note to physicians:** Contains petroleum distillates - vomiting may cause aspiration pneumonia.

**Symptoms of Poisoning:** A sense of "tightness" in chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

**Antidote:** Administer atropine sulfate in therapeutic doses. Repeat as necessary to point of tolerance. Compound inhibits cholinesterase resulting in stimulation of the central nervous system. The parasympathetic nervous system and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema the patient should be placed in an oxygen tent and treated symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** High volume water jet.

**Hazardous combustion products:** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Propoxur may generate isocyanates upon decomposition.

**Specific hazards arising from the chemical:** Do not allow run-off from fire fighting to enter drains or water courses. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**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.

**NFPA Flammable and Combustible Liquids Classification:** Combustible Liquid Class IIIA

<b>NFPA</b>	<b>Health hazards 2</b>	<b>Flammability 2</b>	<b>Instability 0</b>	<b>Physical /Chemical Properties</b>
<b>HMIS</b>	<b>Health hazards 2</b>	<b>Flammability 2</b>	<b>Physical hazards 0</b>	<b>Personal protection X</b>

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

**Environmental precautions:** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

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

**Methods for containment:** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:** Cover liquid spill with sand, earth or other non-combustible absorbent material. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). For more information, see product label.  
Applicators and handlers must wear long sleeved shirt, long pants, shoes and socks and chemical resistant gloves.

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

**Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers. For more information, see product label. Periodically inspect stored material.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA Z-1	NIOSH REL	Supplier OEL
Propoxur 114-26-1	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	-	-
2-butoxy ethanol	TWA: 20 ppm	TWA: 240 mg/m <sup>3</sup> 50 ppm	TWA: 5 ppm 24 mg/m <sup>3</sup>	
Petroleum distillates, hydrotreated light 64742-47-8	TWA: 200 mg/m <sup>3</sup> (as total hydrocarbon vapor)	TWA: 500 ppm 2000 mg/m <sup>3</sup>	-	TWA: 100 ppm TWA: 525 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering Controls:** Safety showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Tight sealing safety goggles or full face shield.

**Skin and body protection:** Wear chemical resistant gloves and protective clothing.

**Respiratory protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved pesticide respirator should be worn.

**General Hygiene Considerations:** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Wash any contaminated clothing separately from non contaminated clothes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties:

**Physical state:** Liquid  
**Appearance:** Clear to light yellow  
**Odor:** Solvent  
**Odor threshold:** No information available  
**Color (Gardner Scale):** No information available

### Property:

**pH:** No information available  
**Melting point / freezing point:** No information available  
**Boiling point / boiling range:** 330°F - 500°F  
**Flash point:** 166.0 °F  
**Flame Extension Test:** No information available  
**Evaporation rate:** <0.1  
**Flammability (solid, gas):** No information available  
**Upper flammability limit (UEL):** No information available  
**Lower flammability limit (LEL):** No information available  
**Vapor pressure:** No information available  
**Vapor density:** Heavier than air.  
**Partition coefficient; n-Octanol/ Water:** No information available  
**Autoignition temperature:** No information available  
**Decomposition temperature:** No information available  
**Kinematic viscosity:** No information available  
**Dynamic viscosity:** No information available  
**Refractive Index:** No information available  
**Specific gravity:** 0.84 g/cm<sup>3</sup> @ 20 °C  
**Density:** 7.0 lbs/gal

### Comment: • Method

Not applicable; immiscible in water.

Tag Closed Cup

### Miscibility/ Solubility:

**Water:** Immiscible  
**Alcohol:** Miscible  
**Petroleum distillates:** Miscible  
**Aromatic solvents:** Miscible

## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Vapors may form explosive mixture with air.

**Hazardous polymerization:** Hazardous polymerization does not occur.

**Conditions to avoid:**  
**Incompatible materials:**  
**Hazardous Decomposition Products:**

Heat, flames and sparks.  
 Strong oxidizing agents; alkaline materials.  
 Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), methyl isocyanate.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity Components:</b>	<b>111-76-2:</b>	<b>64742-47-8:</b>	<b>114-26-1 (99.6% technical):</b>
Acute oral toxicity	LD <sub>50</sub> (rat): >500 mg/kg;	LD <sub>50</sub> (rat): >5000 mg/kg;	LD <sub>50</sub> (rat/male): >69 mg/kg; rat/female: 47mg/kg
Acute inhalation toxicity	LC <sub>50</sub> (rat); 4500 ppm- 4h	No data available	LC <sub>50</sub> (rat):0.654 mg/L (dust)
Acute dermal toxicity	LD <sub>50</sub> (rabbit, male and female): >1100 mg/kg	LD <sub>50</sub> (rabbit, male and female): >2,000 mg/kg	LD <sub>50</sub> (rat): >5000 mg/kg
Skin corrosion/irritation:	Irritating to skin	May cause irritation in susceptible persons	No irritating
Serious eye damage/ Irritation	Irritating to eyes	Severe eye irritation.	Minimal irritation
Respiratory or skin Sensitization	Buehler test, guinea pig, did not cause sensitization on lab animals	Buehler test, guinea pig, did not cause sensitization on lab animals	Not a dermal sensitizer
Germ cell mutagenicity	Not classified	Not classified	Not a mutagen
Carcinogenicity	Not classified	Not classified	ACGIH: Group A3
Reproductive toxicity	Not classified	Not classified	No information available
STOT single exposure	Not data available	Not data available	No information available
STOT repeated exposure	Not data available	Not data available	No information available
Aspiration toxicity	Not data available	May be fatal if swallowed and enters airways	No information available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

<b>Components:</b>	<b>111-76-2:</b>	<b>64742-47-8:</b>	<b>114-26-1 (99.6% technical):</b>
<b>Toxicity to fish:</b>	LC <sub>50</sub> (rainbow trout):1474 mg/L	LC <sub>50</sub> (rainbow trout): 25 mg/L	LC <sub>50</sub> (rainbow trout): 3.7ppm
<b>Toxicity to aquatic Invertebrates:</b>	EC <sub>50</sub> (water flea): 1800 mg/L	EC <sub>50</sub> (water flea): 1.4 mg/L	EC <sub>50</sub> (water flea): 0.15 mg/L
<b>Toxicity to algae:</b>	EC <sub>50</sub> (green algae): 911 mg/L	EC <sub>50</sub> (green algae): 1-3 mg/L	No information available
<b>Persistence and Degradability:</b>	Readily biodegradeable	Readily biodegradeable	Biodegradeable
<b>Bioaccumulation:</b>	log Pow: 0.83	log Pow: 3.3 – may accumulate	No affinity to accumulate
<b>Mobility in soil:</b>	No data available	Adsorbs on soil	Mobile

**Environmental hazards (EPA):** This product is toxic to wildlife and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

**Contaminated packaging:** For more information, see product label.

## 14. TRANSPORT INFORMATION

### DOT (Department of Transportation)

**Proper Shipping Name:** Insecticides, Insect or Animal Repellent, Liquid  
**Hazard Class:** Non-Hazardous  
**B/L Freight Classification:** NMFC item 102120; LTL class 60

**Other Shipping Information:** This material is **not** regulated as a hazardous material by the DOT in available quantities.  
 RQ (propoxur) 100 lbs. – No unit sizes contain this amount.

**Air (IATA/ ICAO)**

**Proper Shipping Name:** Insecticides, Insect or Animal Repellent, Liquid  
**Hazard Class:** Non-Hazardous

**Vessel (IMO/ IMDG)**

**Proper Shipping Name:** Insecticides, Insect or Animal Repellent, Liquid  
**Hazard Class:** Non-Hazardous

<b>15. REGULATORY INFORMATION</b>
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**US 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 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
2-butoxy ethanol      CAS#111-76-2	14.0-15.0
Propoxur              CAS# 114-26-1	1.0

**SARA 311/312 Hazard**

**Categories**

- Acute health hazard
- Fire hazard

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	Hazardous Substances RQs	RCRA waste No.
Propoxur 114-26-1	RQ 100 lb (45.4 kg)	U411

**US State Regulations:**

**California Proposition 65:**

This product contains, Propoxur – CAS # 114-26-1, which is listed by the state to cause cancer, birth defects and other reproductive harm under the statute.

**U.S. EPA Label Information:**

**EPA Registration Number:** 84396-12

**Difference between SDS and EPA (FIFRA) Pesticide label:**

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

**Precautionary Statements:**

- Harmful if swallowed.
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**International:** No information available

<b>16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION.</b>
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**Issue Date:**  
13-Apr-2015

**Revision Date:**  
13-Apr-2015

**Revision Note:**  
New SDS. GHS - Classification.

**SDS Prepared By:**

Regulatory Department.

**Disclaimer:**

The data contained herein are based on information currently available to the distributor and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which the distributor assumes legal responsibility.

**End of Safety Data Sheet.**