



**RAINBOW TECHNOLOGY**  
Specialists in Utility Chemicals & Safety Items

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Woman-Owned Business Enterprise - Founded 1971

# Safety Data Sheet (SDS)

## 1 Identification

- **Product identifier**
- **Trade name:** **Rainbow Insect Tag**
- **Other Product Identifiers:** EPA Registration number: 13283 - 26
- **Recommended use and restriction on use**
- **Recommended use:** Pesticide.
- **Restrictions on use:** Contact manufacturer.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Rainbow Technology Corp  
261 Cahaba Valley Pkwy  
Pelham, AL 35124
- Toll Free: 1.800.637.6047  
Local: 1.205.733.0333
- **Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



Acute Tox. 4 H302 Harmful if swallowed.

- **Additional information:**

There are no other hazards not otherwise classified that have been identified.  
0 % of the mixture consists of component(s) of unknown toxicity.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS07

- **Signal word:** Warning

- **Hazard-determining components of labeling:**

propoxur (ISO)

- **Hazard statements:**

H302 Harmful if swallowed.

- **Precautionary statements:**

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

(Cont'd. on page 2)

# Safety Data Sheet (SDS)

(Cont'd. of page 1)

P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system**

· **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 0  
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 1  
Fire = 0  
Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment:**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.


## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

114-26-1 propoxur (ISO)

 Acute Tox. 3, H301

9.4%

## 4 First-aid measures

· **Description of first aid measures**

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with soap and water.

If skin irritation is experienced, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

· **Information for doctor**

· **Most important symptoms and effects, both acute and delayed:**

Breathing difficulty

Nausea

Gastric or intestinal disorders when ingested.

(Cont'd. on page 3)

# Safety Data Sheet (SDS)

(Cont'd. of page 2)

Vision disorders.

Disorientation

· **Danger:** Harmful if swallowed.

· **Indication of any immediate medical attention and special treatment needed:**

Contains propoxur. Consult literature for specific antidotes.

Medical supervision for at least 48 hours.

## 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** None.

· **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· **Additional information:** No relevant information available.

## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

· **Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

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

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

· **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

· **Handling**

· **Precautions for safe handling:** Wash hands before breaks and at the end of work.

· **Information about protection against explosions and fires:** No special measures required.

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

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Avoid storage near extreme heat, ignition sources or open flame.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

(Cont'd. on page 4)

# Safety Data Sheet (SDS)

(Cont'd. of page 3)

Do not store together with alkalis (caustic solutions).

- **Further information about storage conditions:** Keep containers tightly sealed.
- **Specific end use(s):** No relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

### · Components with limit values that require monitoring at the workplace:

#### 114-26-1 propoxur (ISO)

REL (USA)	Long-term value: 0.5 mg/m <sup>3</sup>
TLV (USA)	Long-term value: (0.5) NIC-0.5* mg/m <sup>3</sup> BEI-A, *inhalable fraction and vapor
EL (Canada)	Long-term value: 0.5 mg/m <sup>3</sup>
EV (Canada)	Long-term value: 0.5 mg/m <sup>3</sup>
LMPE (Mexico)	Long-term value: 0.5 mg/m <sup>3</sup> A3, IBEa

### · Ingredients with biological limit values:

#### 114-26-1 propoxur (ISO)

BEI (USA)	70 % of baseline Medium: red blood cells Time: discretionary Parameter: Cholinesterase activity (nonspecific)
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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:** Not required under normal conditions of use.
- **Protection of hands:** Gloves are advised for repeated or prolonged contact.
- **Eye protection:**



Safety glasses

- **Body protection:** Not required under normal conditions of use.
- **Limitation and supervision of exposure into the environment** No relevant information available.

(Cont'd. on page 5)

# Safety Data Sheet (SDS)

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General information

#### · Appearance:

Form: Solid material  
Color: According to product specification

· Odor: Characteristic  
· Odor threshold: Not determined.

· pH-value: Not applicable.

#### · Change in condition:

Melting point/Melting range: Undetermined.  
Boiling point/Boiling range: Not determined.

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not determined.

· Auto-ignition temperature: Not determined.

· Decomposition temperature: Not determined.

· Auto igniting: Product is not self-igniting.

· Danger of explosion: Product does not present an explosion hazard.

#### · Explosion limits:

Lower: Not determined.  
Upper: Not determined.

· Oxidizing properties: Not determined.

· Vapor pressure: Not determined.

· Density: Not determined.

· Relative density: Not determined.

· Vapor density: Not applicable.

· Evaporation rate: Not applicable.

#### · Solubility in / Miscibility with:

Water: Insoluble.

· Partition coefficient (n-octanol/water): Not determined.

#### · Viscosity:

Dynamic: Not applicable.  
Kinematic: Not applicable.

· Other information: No relevant information available.

## 10 Stability and reactivity

· **Reactivity:** No relevant information available.

· **Chemical stability:** Stable under normal temperatures and pressures.

(Cont'd. on page 6)

# Safety Data Sheet (SDS)

(Cont'd. of page 5)

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:**  
Reacts with alkali (lyes).  
Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid:** No relevant information available.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NOx)  
Allylamine  
Chlorine compounds

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**114-26-1 propoxur (ISO)**

Oral | LD50 | 95 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **Probable route(s) of exposure:**

Ingestion.  
Inhalation.  
Eye contact.  
Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):** Harmful if swallowed.
- **Repeated dose toxicity:** No relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

(Cont'd. on page 7)

# Safety Data Sheet (SDS)

(Cont'd. of page 6)

- **Aspiration hazard:** Based on available data, the classification criteria are not met.


## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** Toxic for aquatic organisms
- **Persistence and degradability:** No relevant information available.
- **Behavior in environmental systems**
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information**
- **General notes:**  
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
- **Other adverse effects:** No relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
- **Uncleaned packagings**
- **Recommendation:** Disposal in accordance with official regulations.

## 14 Transport information

- **UN-Number**
  - **DOT** Not Regulated.
  - **ADR, IMDG, IATA** UN3077
  - **UN proper shipping name**
-  Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 kg (11 lb.)
- **DOT** Not Regulated.
  - **ADR** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (propoxur (ISO))
  - **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (propoxur (ISO)), MARINE POLLUTANT
  - **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (propoxur (ISO))

(Cont'd. on page 8)

# Safety Data Sheet (SDS)

(Cont'd. of page 7)

· **Transport hazard class(es)**

· **DOT**

· **Class** Not Regulated.

· **ADR**



· **Class**

9 (M7) Miscellaneous dangerous substances and articles

· **Label**

9

· **IMDG, IATA**



· **Class**

9 Miscellaneous dangerous substances and articles

· **Label**

9

· **Packing group**

· **DOT**

Not Regulated.

· **ADR, IMDG, IATA**

III

· **Environmental hazards**

Product contains environmentally hazardous substances: propoxur (ISO)

· **Marine pollutant:**

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **Special marking (IATA):**

Symbol (fish and tree)

· **Special precautions for user**

Warning: Miscellaneous dangerous substances and articles

· **Danger code (Kemler):**

90

· **EMS Number:**

F-A,S-F

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **DOT**

· **Remarks:**

Transport labeling is not required for non-bulk single package shipments by motor vehicle, rail car or aircraft. Bulk packaging consists of a maximum capacity of greater than 450L (119 gallons) for a liquid and a maximum net mass greater than 400kg (882 pounds) for a solid.

· **UN "Model Regulation"**

UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (PROPOXUR (ISO)), 9, III

(Cont'd. on page 9)



# Safety Data Sheet (SDS)

(Cont'd. of page 8)

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

### · Section 302 (extremely hazardous substances):

None of the ingredients are listed.

### · Section 304 (emergency release notification):

None of the ingredients are listed.

### · Sections 311/312 (hazardous chemical threshold planning quantity in pounds):

None of the ingredients are listed.

### · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

### · Section 313 (Specific toxic chemical listings):

114-26-1 | propoxur (ISO)

### · TSCA (Toxic Substances Control Act)

None of the ingredients is listed.

### · Proposition 65 (California)

### · Chemicals known to cause cancer:

114-26-1 | propoxur (ISO)

### · Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

### · Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

### · Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

### · Carcinogenic categories

### · EPA (Environmental Protection Agency):

None of the ingredients are listed.

### · Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)

EPA Product Registration : 13283 - 26.

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:

#### PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

WARNING: May be fatal if chewed or swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Thoroughly wash with soap and water after handling and before eating, drinking or using tobacco.

#### First Aid

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

(Cont'd. on page 10)

# Safety Data Sheet (SDS)

(Cont'd. of page 9)

doctor. Do not give anything by mouth to an unconscious person.

If in Eyes: Hold the 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.

If Inhaled: 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.

If on Skin or Clothing: Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

[You may also contact 1.800.255.3924 for emergency medical treatment advice.]

Note to Physician: This product contains Propoxur, an N-methyl carbamate cholinesterase-inhibitor. Treat symptomatically. Atropine is antidotal.

### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store unopened in a cool, dry place inaccessible to children and pets.

Pesticide Disposal: Used tags and wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Non-refillable container; do not reuse or refill this container. Offer container for recycling, if available, or dispose in a sanitary landfill, or by incineration or by other procedures allowed by state and local authorities.

<b>· IARC (International Agency for Research on Cancer):</b>
None of the ingredients are listed.

<b>· TLV (Threshold Limit Value established by ACGIH):</b>
114-26-1   propoxur (ISO) <span style="float: right; border: 1px solid black; padding: 0 5px;">A3</span>

<b>· NIOSH-Ca (National Institute for Occupational Safety and Health):</b>
None of the ingredients are listed.

<b>· Canadian substance listings</b>
<b>· Canadian Domestic Substances List (DSL):</b>
All ingredients are listed.

<b>· Canadian Ingredient Disclosure list (limit 0.1%):</b>
None of the ingredients are listed.

<b>· Canadian Ingredient Disclosure list (limit 1%):</b>
None of the ingredients are listed.

<b>· Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.
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## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 09/11/2015 / -

· **Abbreviations and acronyms:**

Acute Tox. 3: Acute toxicity, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

(Cont'd. on page 11)

# Safety Data Sheet (SDS)

(Cont'd. of page 10)

## · Sources

Website, European Chemicals Agency ([http://http://echa.europa.eu/](http://echa.europa.eu/))

Website, US EPA Substance Registry Services ([http://http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do))

Website, Chemical Abstracts Registry, American Chemical Society (<https://www.cas.org>)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers