1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier.
Product Name SPEED ZONE® Southern Broadleaf Herbicide for Turf

Other means of identification
Product Code PBI FP 6561076
EPA Pesticide Registration Number 2217-835
Product Size 4/1 U. S. Gal.

Recommended use of the chemical and restrictions on use.
Recommended Use Herbicide
Uses advised against No information available

Details of the supplier of the safety data sheet
Supplier Address PBI-Gordon Corporation
Company Name PBI-Gordon Corporation
Manufacturer PBI-Gordon Corporation
24 Hour Emergency Phone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

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

<table>
<thead>
<tr>
<th>Label elements</th>
<th>Emergency Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute dermal toxicity</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation Category</td>
<td>Category 2</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Category 1</td>
</tr>
<tr>
<td>Acute Aquatic Toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Chronic Aquatic Toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 4</td>
</tr>
<tr>
<td>Signal word</td>
<td>Danger</td>
</tr>
<tr>
<td>Hazard statements</td>
<td>No information available</td>
</tr>
<tr>
<td>- Harmful in contact with skin</td>
<td></td>
</tr>
<tr>
<td>- Causes skin irritation</td>
<td></td>
</tr>
<tr>
<td>- May be fatal if swallowed and enters airways</td>
<td></td>
</tr>
<tr>
<td>- Toxic to aquatic life with long lasting effects</td>
<td></td>
</tr>
<tr>
<td>- Combustible liquid</td>
<td></td>
</tr>
</tbody>
</table>
Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Contaminated work clothing must not be allowed out of the workplace
Keep away from flames and hot surfaces. - No smoking
Keep cool
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
IF ON SKIN: Wash with plenty of soap and water
Call a POISON CENTER or doctor if you feel unwell
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Do NOT induce vomiting
Rinse mouth
In case of fire: Use CO2, dry chemical, or foam to extinguish

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)
Have the product label with you when calling a poison control center or doctor or going in for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.

Other information
Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance</th>
<th>Not applicable.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Mixture</th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret</td>
<td>Trade secret</td>
<td>30-40*</td>
</tr>
<tr>
<td>2,4-D, 2-ethylhexyl ester</td>
<td>1928-43-4</td>
<td>10.49</td>
</tr>
<tr>
<td>R(+)-2(2 Methyl-4-chlorophenoxy)propionic acid (MCPP)</td>
<td>16484-77-8</td>
<td>2.66</td>
</tr>
<tr>
<td>3,6-Dichloro-o-anisic acid (Dicamba)</td>
<td>1918-00-9</td>
<td>0.67</td>
</tr>
<tr>
<td>Carfentrazone-ethyl</td>
<td>128639-02-1</td>
<td>0.54</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Trade secret</td>
<td>0 - 10%</td>
</tr>
</tbody>
</table>

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

4. FIRST AID MEASURES

Description of first aid measures

General advice
Show this safety data sheet to the doctor in attendance.

Eye contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist,
Skin contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Inhalation
Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Aspiration into lungs can produce severe lung damage. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Delayed pulmonary edema may occur. If symptoms persist, call a physician.

Ingestion
Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Call a physician.

Self-protection of the first aider
Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required.

Symptoms
No information available

Indication of any immediate medical attention and special treatment needed
Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Contains petroleum distillate - vomiting may cause aspiration pneumonia.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical. Carbon dioxide (CO2). Alcohol resistant foam.

Unsuitable extinguishing media
No information available.

Specific hazards arising from the chemical
In the event of fire and/or explosion do not breathe fumes. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

Special protective equipment for fire-fighters
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
Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

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. Avoid release to the environment. Dispose of contents/container to an approved waste disposal facility.
disposal plant Collect spillage

Other information
Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment
Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up
Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-D, 2-ethylhexyl ester</td>
<td>TWA: 10 mg/m³ inhalable fraction</td>
<td>TWA: 10 mg/m³</td>
<td>IDLH: 100 mg/m³, TWA: 10 mg/m³</td>
</tr>
<tr>
<td>1928-43-4</td>
<td>S*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carfentrazone-ethyl</td>
<td>TWA: 1 mg/m³ inhalable particulate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>128639-02-1</td>
<td>matter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trade Secret</td>
<td>TWA: 20 ppm</td>
<td>TWA: 100 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 300 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) S*</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) Ceiling: 50 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) Ceiling: 150 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>IDLH: 1400 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ceiling: 50 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ceiling: 150 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Other Information
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering controls
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection
Tight sealing safety goggles.

Hand protection
Chemical resistant gloves.

Skin and body protection
Wear long-sleeved shirt, long pants, socks and shoes.
Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Amber</td>
<td></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Esters</td>
<td></td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

**Property** | **Values** | **Remarks • Method** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>&lt;35 °F</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>&gt; 93 °C / 199 °F</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>93 °C / 199 °F</td>
<td>Pensky-Martens Closed Cup (PMCC)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt; 1</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.8994</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Emulsifiable</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Partition coefficient</td>
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<td>None known</td>
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<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
</tbody>
</table>

**Other Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid Density</td>
<td>7.45 pounds/gallon</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No information available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

**Reactivity**

No information available.

**Stability**

Stable under recommended storage conditions

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous polymerization**

Will not occur.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

**Hazardous decomposition products**

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

**Product Information**

**Inhalation**
May cause irritation of respiratory tract. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema.

**Eye contact**
May cause slight eye irritation.

**Skin contact**
Harmful in contact with skin. May cause irritation.

**Ingestion**
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

#### Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 5.2 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>2,4-D, 2-ethylhexyl ester</td>
<td>= 300 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 5.4 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>R(-)-2(2-Methyl-4-chlorophenoxy)propionic acid (MCPP) 16484-77-8</td>
<td>= 1050 mg/kg (Rat)</td>
<td>&gt; 4 g/kg (Rat)</td>
<td>-</td>
</tr>
<tr>
<td>3,6-Dichloro-o-anisic acid (Dicamba) 1918-00-9</td>
<td>= 1039 mg/kg (Rat)</td>
<td>= 1716 mg/kg (Rabbit) &gt; 1 g/kg (Rat) &gt; 2 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Carfentrazone-ethyl 128639-02-1</td>
<td>= 5143 mg/kg (Rat)</td>
<td>&gt; 4000 mg/kg (Rat)</td>
<td>= 5.09 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>= 700 mg/kg (Rat) = 790 mg/kg (Rat)</td>
<td>= 3400 mg/kg (Rabbit) = 3402 mg/kg (Rabbit)</td>
<td>&gt; 8000 ppm (Rat) 4 h</td>
</tr>
</tbody>
</table>

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms**
No information available.

**Acute toxicity**

**Numerical measures of toxicity - Product Information**

**Unknown Toxicity**
95 % of the mixture consists of ingredient(s) of unknown toxicity
58 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
95 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

**LD50 Oral**
> 2000 mg/kg Rat-male Rat-female

**LD50 Dermal**
> 2000 mg/kg (rabbit)

**LC50 Inhalation (DUST)**
> 2.04 mg/L Rat-male Rat-female

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

**Skin corrosion/irritation**
Causes skin irritation.
Serious eye damage/eye irritation  May cause slight irritation.
Respiratory or skin sensitization  Not a skin sensitizer.
Germ cell mutagenicity  No information available.

Carcinogenicity  The International Agency for Research on Cancer (IARC) lists chlorophenoxy herbicides in its Group 2B (limited evidence for Carcinogenicity in humans.) The US EPA has given the chlorophenoxy Herbicides 2,4-D, 2,4-DP, MCPP, and MCPA a Class D classification (not classifiable as to human carcinogenicity.) More current 2,4-D lifetime feeding studies in rats and mice did not show carcinogenic effects and a recent World Health Organization (WHO) review of 2,4-D toxicology has concluded that 2,4-D is not a carcinogen.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-D, 2-ethylhexyl ester 1928-43-4</td>
<td>-</td>
<td>Group 2B</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>R(+)-2(2-Methyl-4-chlorophenoxy)propionic acid (MCPP) 16484-77-8</td>
<td>-</td>
<td>Group 2B</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>

Legend  
IARC (International Agency for Research on Cancer)  
Group 2B - Possibly Carcinogenic to Humans  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present

Reproductive toxicity  No information available.
STOT - single exposure  No information available.
STOT - repeated exposure  No information available.
Aspiration hazard  May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity  Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret</td>
<td>-</td>
<td>45: 96 h Pimephales promelas mg/L LC50</td>
<td>-</td>
<td>4720: 96 h Den-drone reides heteropoda mg/L LC50</td>
</tr>
<tr>
<td>2,4-D, 2-ethylhexyl ester 1928-43-4</td>
<td>30: 120 h Pseudokirchneriella subcapitata mg/L EC50 30: 120 h Pseudokirchneriella subcapitata mg/L EC50</td>
<td>7.8: 96 h Oncorhynchus mykiss mg/L LC50, 11.5: 96 h Lepomis macrochirus mg/L LC50, static 6 - 8.7: 96 h Oncorhynchus mykiss mg/L LC50 flow-through</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>500: 96 h Desmodesmus subspicatus mg/L EC50 500: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td>1740: 96 h Pimephales promelas mg/L LC50, flow-through 1730 - 1910: 96 h Pimephales promelas mg/L LC50 static 100000 - 500000: 96 h Lepomis macrochirus µg/L LC50, static 1910000: 96 h Pimephales promelas µg/L LC50</td>
<td>EC50 = 2041.4 mg/L 5 min EC50 = 2186 mg/L 30 min EC50 = 3980 mg/L 24 h EC50 = 4400 mg/L 17 h</td>
<td>1897 - 2072: 48 h Daphnia magna mg/L EC50 Static 1983: 48 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>
Persistence and degradability
No information available.

Bioaccumulation
No information available.

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging
Do not reuse empty containers.

14. TRANSPORT INFORMATION

Note: Products under 128 gallons not regulated by DOT. Below are designations for products over 128 gallons. See RQ

DOT

UN/ID no. UN3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard class 9
Packing group III
Reportable Quantity (RQ) 2,4-D, 2-ethylhexyl ester: RQ (lb)= 953.00= 128 gallons
Special Provisions 8, 146, 173, 335, T4, T1, TP1, TP29
Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, 2-ethylhexyl ester), 9, III, Marine pollutant

TDG

UN/ID no. UN3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard class 9
Packing group III
Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, 2-ethylhexyl ester), 9, III

MEX

UN/ID no. UN3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard class 9
Special Provisions 274, 331, 335
Packing group III
Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, 2-ethylhexyl ester), 9, III

ICAO (air)

UN/ID no. UN3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard class 9
Packing group III
Special Provisions A97, A158, A197
Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, 2-ethylhexyl ester), 9, III

IATA

Limited quantity applies with an inner packaging less than 5 L or gross package weight less than 30 kg.

UN number UN3082
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
**Transport hazard class(es)**  9

**Packing group**  III

**Special Provisions**  A97, A158, A197

**Description**  UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, 2-ethylhexyl ester), 9, III

**IMDG**  Limited quantity applies with an inner packaging less than 5 L or gross package weight less than 30 kg.

**UN number**  UN3082

**UN proper shipping name**  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**Transport hazard class(es)**  9

**Packing group**  III

**EmS-No.**  F-A, S-F

**Special Provisions**  274, 335, 969

**Description**  UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, 2-ETHYLHEXYL ESTER), 9, III, MARINE POLLUTANT

### 15. REGULATORY INFORMATION

**U.S. EPA Label Information**

**EPA Pesticide Registration Number**  2217-835

**Federal Insecticide, Fungicide, Rodenticide Act Regulations**
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:

**EPA Pesticide Label**

**Caution**

**Keep out of the reach of children**

**PRECAUTIONARY STATEMENTS**

**Hazards to Human and Domestic Animals**

**CAUTION:** Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Harmful if swallowed. Environmental Hazards: This pesticide may be toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate. This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**International Inventories**

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Not Listed</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>Not Listed</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Not Listed</td>
</tr>
<tr>
<td>ENCS</td>
<td>Not Listed</td>
</tr>
<tr>
<td>IECSC</td>
<td>Not Listed</td>
</tr>
<tr>
<td>KECL</td>
<td>Not Listed</td>
</tr>
<tr>
<td>PICCS</td>
<td>Not Listed</td>
</tr>
<tr>
<td>AICS</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

**Legend:**

- **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 Chemical Substances/European 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
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.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-D, 2-ethylhexyl ester - 1928-43-4</td>
<td>0.1</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-D, 2-ethylhexyl ester - 1928-43-4</td>
<td>100 lb</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3,6-Dichloro-o-anisic acid (Dicamba) - 1918-00-9</td>
<td>1000 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-D, 2-ethylhexyl ester - 1928-43-4</td>
<td>100 lb</td>
<td>-</td>
</tr>
<tr>
<td>3,6-Dichloro-o-anisic acid (Dicamba) - 1918-00-9</td>
<td>1000 lb</td>
<td>-</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>5000 lb</td>
<td>-</td>
</tr>
</tbody>
</table>

US State Regulations

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-D, 2-ethylhexyl ester - 1928-43-4</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trade Secret</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

NFPA
Health hazards 2  Flammability 2  Instability 0  Physical and Chemical Properties -  Personal protection X

HMIS
Health hazards 2  Flammability 2  Physical hazards 0

Disclaimer
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End of Safety Data Sheet