Section 1 - Product and Company Identification

Product Identifiers:

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Spectracide Kudzu, Poison Ivy/Oak and Other Tough Brush Killer Concentrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA Registration Number:</td>
<td>9688-286-8845</td>
</tr>
<tr>
<td>Product Use:</td>
<td>Herbicide Concentrate - Selective</td>
</tr>
</tbody>
</table>

Details of the Supplier of the Safety Data Sheet:

<table>
<thead>
<tr>
<th>Manufacturer/Supplier:</th>
<th>Chemsico Division of United Industries Corp.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P.O. Box 142642 St. Louis, MO 63114-0642</td>
</tr>
</tbody>
</table>

For product information: 1-800-917-5438
For medical emergencies: 1-800-633-2873

Section 2 - Hazards Identification


GHS Classification of Substance or Mixture: Flammable liquid – category 3

GHS Label Elements:

Hazard pictogram(s):

Signal word: WARNING

Hazard statements:

• Flammable liquid
• Causes serious eye irritation
• Causes skin irritation
• Harmful if swallowed

Precautionary Statements:

• Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection. If on skin: Take off immediately all contaminated clothing. Rinse skin thoroughly with water. In case of fires: Use Water fog, foam, CO₂ or dry chemical to extinguish.
• Wash thoroughly with soap and water after handling. Do not eat, drink or smoke when using this product. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
• Wear protective gloves. If on skin: Wash with plenty of water. Call a poison control center or doctor if you feel unwell. Take off contaminated clothing and wash before reuse.
• Do not eat, drink or smoke when using this product. If swallowed: Call a poison control center or doctor for treatment advice if you feel unwell. Rinse mouth.
Section 3 - Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>Weight Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-D, 2-ethylhexyl ester</td>
<td>1948-43-4</td>
<td>9.74%</td>
</tr>
<tr>
<td>Dichlorprop-p, 2-ethylhexyl ester</td>
<td>120-36-5</td>
<td>4.78%</td>
</tr>
<tr>
<td>Dicamba</td>
<td>1918-00-9</td>
<td>1.65%</td>
</tr>
</tbody>
</table>

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

Section 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. 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:**
No special requirements

**Ingestion:**
Call a poison control center or doctor immediately for treatment advice. Have person sip water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Notes to physician:**
Contains petroleum distillates – vomiting may cause aspiration pneumonia.

**General advice:**
If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

Section 5 - Fire Fighting Measures

**Flammable properties:**
Flammable liquid – category 3. Flashpoint 124°F.

**Suitable extinguishing media:**
Water fog, foam, CO₂, dry chemical

**Unsuitable extinguishing media:**
Not available

**Specific hazards arising from the chemical:**
Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back. Liquid run-off to sewers may create fire/explosion hazard. Container may melt and leak in heat of fire. Do not allow run-off from firefighting to enter drains or water courses.

**Protective equipment for firefighters:**
Firefighters should wear full protective clothing including self-contained breathing apparatus.

**Hazardous combustion products:**
None known

**Sensitivity to mechanical impact:**
None known

**Explosion data:**
Not available

**Sensitivity to static discharge:**
Not available

**Personal precautions:**
Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers.
or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Section 6 - Accidental Release Measures

<table>
<thead>
<tr>
<th>Personal precautions:</th>
<th>Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Wear personal protective equipment. Wash thoroughly after handling.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For emergency responders:</td>
<td>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.</td>
</tr>
<tr>
<td>Environmental precautions:</td>
<td>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</td>
</tr>
<tr>
<td>Methods for containment and cleaning up:</td>
<td>Stop leak if without risk. Move containers from spill area. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.</td>
</tr>
</tbody>
</table>

Section 7 - Handling and Storage

| Precautions for safe handling: | Put on appropriate personal protective equipment (see Section 8). Flammable liquid – keep away from sources of ignition. Do not use near heat, open flame or any other ignition source. Take measures to prevent the buildup of electrostatic charge. Avoid contact with skin, eyes and clothing. Use an appropriate respirator when adequate ventilation is not available. Avoid breathing vapors or spray mists of the product. |
| Storage: | Store product in a cool, dry place, out of reach of children. Keep container closed when not in use. Keep away from food, drink and animal feedingstuffs. Keep tightly closed. Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. |

Section 8 - Exposure Controls / Personal Protection

Exposure guidelines:

<table>
<thead>
<tr>
<th>Components with Occupational Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure Limits</td>
</tr>
<tr>
<td>Chemical name</td>
</tr>
<tr>
<td>2,4-D, 2-ethylhexyl ether</td>
</tr>
<tr>
<td>Dichlorprop-p, 2-ethylhexyl ester</td>
</tr>
<tr>
<td>Dicamba</td>
</tr>
</tbody>
</table>

| Engineering controls: | General ventilation normally adequate. |
Personal protective equipment:

**Eye/Face protection:** Wear safety goggles or glasses with side shields.

**Skin and body protection:** Wear coveralls over short-sleeved shirt and short pants, socks, chemical-resistant shoes, chemical-resistant gloves, chemical-resistant apron when mixing product or cleaning equipment, and chemical-resistant headgear for overhead exposure.

**Respiratory protection:** None required

**General hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

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**Section 9 - Physical & Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
<td>Clear</td>
</tr>
<tr>
<td><strong>Color:</strong></td>
<td>Amber</td>
</tr>
<tr>
<td><strong>Physical state:</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
<td>Ester-like</td>
</tr>
<tr>
<td><strong>Odor threshold:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>pH:</strong></td>
<td>2.6</td>
</tr>
<tr>
<td><strong>Melting point:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Freezing point:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Boiling point:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>124°F</td>
</tr>
<tr>
<td><strong>Evaporation rate:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flammability limits in air,</strong></td>
<td></td>
</tr>
<tr>
<td>lower, % by volume:</td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flammability limits in air,</strong></td>
<td></td>
</tr>
<tr>
<td>upper, % by volume:</td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapor density:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Relative density @ 20°C:</strong></td>
<td>1.03</td>
</tr>
<tr>
<td><strong>Octanol/water coefficient:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Solubility:</strong></td>
<td>Soluble in water</td>
</tr>
<tr>
<td><strong>% Volatile organic compounds:</strong></td>
<td>No data available</td>
</tr>
</tbody>
</table>

---

**Section 10 - Chemical Stability & Reactivity Information**

**Reactivity**

**Conditions to avoid:** Do not mix with other chemicals.

**Incompatible materials:** Avoid strong oxidizers.
Chemical stability  

Product stability: Stable under recommended storage conditions.

Other  

Hazardous decomposition products: None known  
Possibility of hazardous reactions: Hazardous polymerization does not occur.

Section 11 - Toxicological Information  

Primary eye irritation: Causes substantial but temporary eye injury (EPA tox. category II)  
Primary skin irritation: May cause skin irritation (EPA tox. category III)  
Acute dermal: LD₅₀ > 2000 mg/kg (EPA tox. category III)  
Acute inhalation: LC₅₀ > 2 mg/L (EPA tox. category IV)  
Acute oral: LD₅₀ > 2000 mg/kg (EPA tox. category III)  
Sensitization: Not a skin sensitizer.  
Chronic effects: No data available  
Carcinogenicity: No data available  
Mutagenicity: No data available  
Reproductive effects: No data available  
Teratogenicity: No data available  
Ecotoxicity: No data available

Section 12 - Ecological Information  

Environmental effects: No data available  
Aquatic toxicity: Toxic to aquatic organisms.  
Persistence / degradability: No data available  
Bioaccumulation / accumulation: No data available  
Partition coefficient: No data available  
Mobility in environmental media: No data available  
Chemical fate information: No data available

Section 13 - Disposal Considerations  

Waste codes: Not available  
Disposal instructions: Dispose in accordance with all applicable regulations.  
Waste from residues/unused products: Not available  
Contaminated packaging: Not available

Section 14 - Transportation Information  

U.S. Department of Transportation (DOT): Not regulated  
IATA: Not regulated
IMDG: Not regulated

Section 15 - Regulatory Information

29 CFR 1910.1200 hazardous chemical
Occupational Safety and Health Administration (OSHA): No
CERCLA (Superfund) reportable quantity: Not available

Hazard Categories

Superfund Amendments and Reauthorization Act of 1986 (SARA):
  Immediate Hazard No
  Delayed Hazard No
  Fire Hazard No
  Pressure Hazard No
  Reactivity Hazard No

Section 302 extremely hazardous Substance: No
Section 311 hazardous chemical: No
Clean Air Act (CAA): Not available
Clean Water Act (CWA): Not available
State regulations: None

FIFRA labeling: 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 non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal word: WARNING
Precautionary statements:
Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes or on skin or clothing. When using this product, wear coveralls over short-sleeved shirt and short pants, socks, chemical-resistant shoes, goggles, chemical-resistant gloves, chemical-resistant apron when mixing product or cleaning equipment, and chemical-resistant headgear for overhead exposure. After using this product, rinse gloves before removing, remove clothing and launder separately before reuse and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

This product is toxic to fish and aquatic invertebrates Do not apply directly to water, areas where surface water is present or intertidal areas below the mean high water mark. Drift or runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters 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.
Combustible. Do not use or store near heat or open flame.

**Notification status:** All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**California Prop. 65:** This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

**Disclaimer:** Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

### SECTION 16 - OTHER INFORMATION

<table>
<thead>
<tr>
<th>HMIS ratings:</th>
<th>Health Hazard 2</th>
<th>Flammability 2</th>
<th>Physical Hazard 0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item number(s):</td>
<td>HG-95967</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Formula number(s):</td>
<td>21-0723</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Issue date:</td>
<td>1/25/2016</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prepared by:</td>
<td>Spectrum Group</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Division of United Industries Corp.
P.O. Box 142642
St. Louis, MO 63114-0642
(800) 242-1166