SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TENKOZ® LO-VOL 6 2,4-D LOW VOLATILE HERBICIDE
EPA Reg. No.: 71368-11-55467
Product Type: Herbicide
Company Name: Tenkoz Inc
1725 Windward Concourse, Suite 410
Alpharetta, GA 30005
770-343-8509

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,
Call CHEMTREC Day or Night: 1-800-424-9300
For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as
the FIFRA label. Certain sections of this SDS are superseded by federal law governed by EPA for a
registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

2. HAZARDS IDENTIFICATION

HEALTH HAZARDS:
- Acute toxicity, oral Category 4
- Aspiration Hazard Category 1
- Specific target organ toxicity – Single Exposure Category 3
- Specific target organ toxicity – Repeated exposure Category 2

ENVIRONMENTAL HAZARDS:
- Hazardous to aquatic environment, acute/chronic Category 2

SIGNAL WORD:
DANGER

HAZARD STATEMENTS:
Harmful if swallowed. May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause
damage to organs (liver, kidneys) through prolonged or repeated exposure. Toxic to aquatic life with long lasting
effects.

PRECAUTIONARY STATEMENTS
Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. If swallowed, call a
poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to
swallow. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Rinse mouth.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Wear protective equipment specified in Section 8. If exposed or concerned: Get medical advice/attention. Store
locked up. Store in a well ventilated place. Keep container tightly closed.

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.

Avoid breathing mist, vapors or spray. Use only outdoors or in a well-ventilated area. If inhaled, move person to
fresh air and keep comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give
artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further
treatment advice if you feel unwell.

Do not breathe mist, vapors or spray. Get medical advice/attention if you feel unwell. Dispose of contents and
container in accordance with local and state regulations.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NO.</th>
<th>% BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid, (2,4-Dichlorophenoxy)-isoctyl (2-ethylhexyl) ester</td>
<td>1928-43-4</td>
<td>90 - 95</td>
</tr>
<tr>
<td>Distillates (Petroleum), Hydrotreated Light</td>
<td>64742-47-8</td>
<td>3.8 - 4.2</td>
</tr>
<tr>
<td>Other Ingredients</td>
<td>Trade Secret</td>
<td>Trade Secret</td>
</tr>
<tr>
<td>Synonyms:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,4-D 2EHE; 2,4-D IOE; 2,4-Dichlorophenoxyacetic acid, Isooctyl (2-ethylhexyl ester); 2,4-D Ethylhexyl Ester</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 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 Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Most Important symptoms/effects: Eye irritation

Indication of immediate medical attention and special treatment if needed: There is no specific antidote if this product is ingested. Treat symptomatically. Contains petroleum distillates, vomiting may cause aspiration pneumonia.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Recommended for large fires: foam or water spray. Recommended for small fires: dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later.

Hazardous Decomposition Materials (Under Fire Conditions): May produce gases such as hydrogen chloride and oxides of carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods for Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

Methods for Cleanup and Disposal: Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Other Information: Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.
7. HANDLING AND STORAGE

HANDLING:
Avoid breathing vapor or spray mists. Do not get in eyes, on skin or on clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing! Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE:
Store in original container in a dry, secured storage area. Keep container tightly closed when not in use. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:
Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Personal Protective Equipment:
Eye/Face Protection: To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.

Skin Protection: To avoid contact with skin wear long-sleeved shirt and long pants, shoes plus socks, chemical resistant gloves. When mixing, loading, or cleaning equipment, a chemical resistant apron must be worn in addition to the other required PPE. An emergency shower or water supply should be readily accessible to the work area.

Respiratory Protection: Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-D 2-ethylhexyl ester</td>
<td>10*</td>
<td>NE</td>
</tr>
<tr>
<td>Distillates (Petroleum), Hydrotreated Light</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>*Based on adopted limit for 2,4-D</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellowish red liquid
Odor: Characteristic of paraffinic compounds (similar to kerosene)
Odor threshold: No data available
pH: 2.5 – 3.5; 3.5 @ 1% dispersion in distilled water
Melting point/freezing point: No data available
Initial boiling point and boiling range: No data available
Flash point: 218°F (103°C) Seta-Flash ASTM D3278
Evaporation rate: No data available
Flammability (solid, gas): No data available
Upper/lower flammability or explosive limits: No data available
Vapor pressure: No data available
Vapor density: No data available
Relative density: 1.124 g/cm³ (9.4 lbs/gal) @ 22° C, 1.132 @ 20° C
Solubility(ies): Emulsifiable
Partition coefficient: n-octanol/water: No data available
Autoignition temperature: No data available

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Decomposition temperature: No data available
Viscosity: 48.8 cPs @ 22º C, 40.66 cST at 20º C
VOC Emission Potential(%): 7.29

Note: Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

10. STABILITY AND REACTIVITY

Reactivity: Not reactive.
Chemical Stability: This material is stable under normal handling and storage conditions.
Possibility of Hazardous Reactions: Will not occur.
Conditions to Avoid: Excessive heat. Do not store near heat or flame.
Hazardous Decomposition Products: Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eye and Skin contact.
Symptoms of Exposure: Skin irritation, Eye irritation
Delayed, immediate and chronic effects of exposure: Skin irritation, Eye irritation

Toxicological Data:
Data from laboratory studies conducted on a similar, but not identical, formulation:
Oral: Rat LD₅₀: 1,380 mg/kg
Dermal: Rabbit LD₅₀: >2,020 mg/kg (no mortality at this dose)
Inhalation: Rat 4-hr LC₅₀: >5.12 mg/l (1 of 10 animals died at this dose)
Eye Irritation: Rabbit: Minimal to no irritation.
Skin Irritation: Rabbit: Moderate irritant
Skin Sensitization: Guinea Pig: Not classified as a dermal sensitizer.

Subchronic (Target Organ) Effects: Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.
Carcinogenicity / Chronic Health Effects: Various animal cancer tests have shown no reliably positive association between 2,4-D exposure and cancer. Epidemiology studies on herbicide use have been both positive and negative with the majority being negative.
Reproductive Toxicity: No impairment of reproductive function attributable to 2,4-D have been noted in laboratory animal studies.
Developmental Toxicity: Studies in laboratory animals with 2,4-D have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals
Genotoxicity: There have been some positive and some negative studies, but the weight of evidence is that 2,4-D is not mutagenic.
Assessment Carcinogenicity:
This product contains substances that are considered to be probable or suspected human carcinogens as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Regulatory Agency Listing As Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ACGIH</td>
</tr>
<tr>
<td>Chlorophenoxy Herbicides</td>
<td>No</td>
</tr>
<tr>
<td>Distillates (Petroleum), Hydrotreated Light</td>
<td>No</td>
</tr>
<tr>
<td>Other Ingredients</td>
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</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Environmental Hazards:
This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Ecotoxicity:
Data on 2,4-D 2EHE:

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Bluegill 96-hour LC$_{50}$: >5 mg/l
Rainbow Trout 96-hour LC$_{50}$: 7.2 mg/l
Daphnia 48-hour EC$_{50}$: >5 mg/l

Bobwhite Quail Oral LD$_{50}$: >5,620 mg/kg
Mallard Duck 8-day Dietary LC$_{50}$: >5,620 ppm

Environmental Fate:
In laboratory and field studies, 2,4-D 2-ethylhexyl ester rapidly de-esterfied to parent acid in the environment. The typical half-life of the resultant 2,4-D acid ranged from a few days to a few weeks.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:
Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling and Disposal:
Nonrefillable Containers 5 Gallons or Less: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

Nonrefillable containers larger than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable containers larger than 5 gallons: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

DOT:
< 12 gallons per complete package
Non Regulated – See 49 CFR 173.132(b)(3) & 172.101 Appendix A

≥ 12 but < 119 gallons per complete package
UN 3082, Environmentally hazardous substance, liquid, n.o.s. (2,4-D Ester), 9, III, RQ

≥ 119 gallons per complete package
UN 3082, Environmentally hazardous substance, liquid, n.o.s. (2,4-D Ester), 9, III, RQ, Marine Pollutant

IMDG
UN 3082, Environmentally hazardous substance, liquid, n.o.s.
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(2,4-D Ester), 9, III, Marine Pollutant

IATA
UN 3082, Environmentally hazardous substance, liquid, n.o.s.
(2,4-D Ester), 9, III, Marine Pollutant

15. REGULATORY INFORMATION

EPA FIFRA INFORMATION
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 hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapors or spray mist. Do not get in eyes, on skin or on clothing.

U.S. FEDERAL REGULATIONS

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

SARA Hazard Notification/Reporting:
Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):
Immediate and Delayed

Section 313 Toxic Chemical(s):
2,4-D Ethylhexyl ester (CAS No. 1928-43-4), 90 – 95% equivalent by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:
None specified.

RCRA Waste Code:
Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

State Information:
Other state regulations may apply. Check individual state requirements.

California Proposition 65:
None listed.

16. OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Rating:
Rating for this product: Health: 2 Flammability: 1 Reactivity: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter “Information”) are presented in good faith and believed to be correct as of the date hereof, Tenkoz Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Tenkoz Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO

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Date of Issue: February 6, 2015
Supersedes: January 9, 2015

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