



Safety Data Sheet

Report Date 14-Aug-17

Page 1 of 4

1. Identification

Product Name : Sinkerball
Synonyms : None
Product Use : Phenoxy Herbicides
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Danger
Skin Irritation : Causes mild skin irritation
Eye Irritation : Causes serious eye damage
Acute Toxicity Oral : LD50=1,693 mg/kg (female rat)
Acute Toxicity Dermal : LD50>5,000 mg/kg (male and female rat)

Hazard Categories : Oral/Dermal/Inhalation-4/5/4; Eye/Skin Irritation-1/3; Skin Sensitizer-1A

Hazard Statement : Harmful if swallowed
May be harmful in contact with skin
Harmful if inhaled
Causes serious eye damage
Causes mild skin irritation
May cause an allergic skin reaction

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
2,4-D Acid	94-75-7	19.6
Other ingredients	Proprietary	80.4

4. First Aid Measures

Eye : 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 immediately for advice.

Skin : Take off contaminated clothing. Rinse immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor immediately for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for advice. Have person sip a glass of water. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious or convulsing person.

Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures



Safety Data Sheet

Report Date 14-Aug-17

Page 2 of 4

Extinguishing Media : Use foam, water spray, carbon dioxide or dry chemical extinguishing agents.
Specific Hazards Arising from the Chemical : Under fire conditions, toxic and corrosive fumes may be emitted.
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Contain and dispose of fire control water later.

6. Accidental Release Measures

Personal Precautions : Keep unprotected and unnecessary personnel out of spill area.
Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator for organic vapors. Eyewash and emergency shower should be available in work area.
Emergency Procedures : Do not contaminate water supplies, lakes, streams, ponds, drains or soil with spilled product.
Methods and Materials for Containment and Cleanup : Contain spill using an absorbent or impervious materials, such as clay, sand or earth. Collect and place in suitable containers for proper disposal.

7. Handling and Storage

Precautions for Safe Handling : Do not contaminate water, food or feed by storage, handling or disposal.
Conditions for Safe Storage : Do not store at temperatures below 0 Degrees F. If frozen, warm to 40 Degrees F. and redissolve by rolling or shaking container before use. Do not store under conditions which might adversely affect the container or its ability to function properly. This product can be stored in an unheated building. Store in a safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength.

8. Exposure Controls / Personal Protection

TLV/PEL : 2,4-D: TLV=10 mg/m³; PEL=10 mg/m³
Appropriate Engineering Controls : Local exhaust (mechanical) normally sufficient.
Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator for organic vapors. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Clear light yellow to amber liquid; phenoxy odor.
Flash Point, °F : >200 Degrees F.
Boiling Point, °F : Not determined
Melting Point(Freezing point), °C : Not determined
Vapor Pressure, mm Hg @ 20 °C : Not determined
Vapor Density : Not determined
Solubility in Water : Emulsifiable
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 1.090-1.100
Evaporation Rate(Butyl Acetate = 1) : Not determined
Octanol/Water Partition Coefficient : No information found
pH : 2.3-3.3 (2.5%)



Safety Data Sheet

Report Date 14-Aug-17

Page 3 of 4

Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : Not determined
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : May emit hydrogen chloride and oxides of carbon under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Extreme heat, open flames, sparks or static electricity.
Incompatible Materials : Avoid contact with strong oxidizing agents.

11. Toxicological Information

Acute Toxicity (Oral LD50) : 1,693 mg/kg (female rats). Harmful if swallowed.
Acute Toxicity (Dermal LD50) : >5,000 mg/kg (male and female rats). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : 1.29 mg/L/4 hour exposure (male and female rats). Harmful if inhaled.
Likely Routes of Exposure : Eye, ingestion, inhalation, skin
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes serious eye damage.
Skin Sensitization : May cause an allergic skin reaction.
Carcinogenic : Various animal cancer tests have shown no reliably positive association between 2,4-D and cancer.
Chronic Effects : No information found
Other Hazards : None currently known.

12. Ecological Information

Ecotoxicity : Moderately toxic to aquatic organisms on an acute basis. Moderately toxic to birds on an acute basis.
Persistence and Degradability : Readily biodegradable.
Bioaccumulative Potential : Bioconcentration potential for 2,4-D is low.
Mobility in Soil : Potential for mobility in soil is very high.
Other Adverse Effects : No information available.

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act. (D016, U240 RCRA waste codes)

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT in containers less than 57 gallons.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : Not listed as a Marine Pollutant per 49 CFR 172.101, Appendix B.



Safety Data Sheet

Report Date 14-Aug-17

Page 4 of 4

- Transport in Bulk** : If shipped in single package \geq 57 gallons, ship as: RQ, UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (2,4-D Acid), 9, PG III "ERG # 171"
- Special Precautions for Transportation** : Reportable Quantity (RQ) for 2,4-D=100 pounds/57 gallons.
- Freight Classification** : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 3 Fire: 1 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: Y
Sudden Release of Pressure: N
Fire: N
Reactive: N

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling 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 Registration Number : 5905-542

FIFRA Signal Word : Danger

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Corrosive. Causes irreversible eye damage.

FIFRA Label Statement : Do not get in eyes or on clothing.

FIFRA Label Statement : Harmful if swallowed.

FIFRA Label Statement : Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIFRA Label Statement : No additional label statements.

FIFRA Label Statement : No additional label statements.

16. Other Information

Data of Preparation/Revision : 14-August-2017