

Report 06-Nov-15 Date

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### Identification

Product Name: TAPOUT (EPA Reg. No. 5905-578)

Synonyms: None

Product Use : Clethodim Selective Grass Herbicide

Manufacturer/Supplier: Helena Chemical Company

Address: 225 Schilling Blvd. Collierville, TN 38017

**General Information**: 901-761-0050

**Transportation Emergency Number**: CHEMTREC:800-424-9300

## **Hazard Identification**

Signal Word: Warning (no symbol)

**Skin Irritation**: Slightly irritating to the skin. Mean score is 1.2 at 24, 48 and 72 hours. Eye Irritation: Minimally irritating to eyes. Mean score </= 1 at 24, 48, and 72 hours and

effects were fully reversible by 48 hours.

Acute Toxicity Oral : LD50 >5,000 mg/kg (female rats) Acute Toxicity Dermal : LD50 >5,000 mg/kg (rats)

Hazard Categories: Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2B/3;

Combustible-4

Hazard Statement: May be harmful if swallowed

May be harmful in contact with skin

Causes eve irritation Causes mild skin irritation May be harmful if inhaled Combustible liquid

### **Composition / Information on Ingredients**

**CAS Number** Weight % Component Clethodim 99129-21-2 12.6 Inert ingredients, including surfactants **Proprietary** 87.4 and methylated soybean oil.

#### **First Aid Measures**

Eye: Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing

eye. Call a poison control center or doctor for further treatment advice.

Skin: 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.

**Inhalation**: 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.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Rinse

mouth with water. Do not induce vomiting. Do not give anything by mouth if

unconscious

**Attention and Special Treatment** 

Indication of Immediate Medical : Treat symptomatically. Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause pneumonitis. If

ingested, probably mucosal damage may contraindicate use of gastric lavage. Needed

#### **Fire Fighting Measures**

Extinguishing Media: Use foam, dry chemical, carbon dioxide or water fog extinguishing agents.



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**Specific Hazards Arising from the**: May produce toxic and irritating fumes under fire conditions.

Chemical

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

#### 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. Respiratory protection not normally needed. Eyewash and emergency

shower should be available in work area.

Emergency Procedures : Do not allow spilled product to enter waterways, lakes, streams, ponds or storm

drains

Methods and Materials for : Contain spilled liquids with absorbent materials, such as clay, sand or sawdust.

Containment and Cleanup Wash spill area with soap and water. Collect and place in same containers as

collected spill material.

#### 7. Handling and Storage

Precautions for Safe Handling : Keep locked up and out of reach of children. Do not contaminate water, food or

feed by storage, handling or disposal. Keep container tightly closed. Do not

allow water to be introduced into the contents of the container.

Conditions for Safe Storage : Store in original container only. Do not store near heat or open flame. Do not

store with oxidizing agents or ammonium nitrate.

## 8. Exposure Controls / Personal Protection

**TLV/PEL**: No PEL or TLV established for active ingredient (clethodim).

**Appropriate Engineering Controls**: General and/or local exhaust should be sufficient.

Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and

footwear. Respiratory protection not normally needed. Eyewash and emergency

shower should be available in work area.

### 9. Physical and Chemical Properties

**Odor/Appearance**: Clear, yellow to amber liquid with mild odor.

Flash Point, °F : 80.6 Degrees C.

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 : Soluble

**Molecular Formula**: Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 0.915-0.935 Evaporation Rate(Butyl Acetate = : Not determined

te = : Not determ 1)

Octanol/Water Partition : No information found

Coefficient

ent pH : 4.0 to 5.0 (1%)

Flammable Limits (approximate : Not determined

volume % in air)

Auto-ignition Temperature : Not determined Decomposition temperature : No information found



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#### 10. Stability and Reactivity

Reactivity: No information found

Chemical Stability: Stable

Hazardous Decomposition: May produce toxic and irritating fumes under fire conditions.

**Products** 

Hazardous Polymerization: Will not occur

Conditions to Avoid: May become unstable after exposure to extreme pH, extreme temperatures and

upon exposures to UV light.

Incompatible Materials: May react with strong oxidizing agents, such as chlorates, nitrates and

peroxides.

## 11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/kg (female rats). May be harmful if swallowed. Acute Toxicity (Dermal LD50) : >5,000 mg/kg (rats). May be harmful in contact with skin.

Acute Toxicity Inhalation LC50 : >2.07 mg/L/4 hour (rats, exposed to aerosol). May be harmful if inhaled.

Likely Routes of Exposure : Skin, eyes, ingestion, inhalation

**Skin Irritation**: Causes mild skin irritation. **Eye Irritation**: Causes eye irritation.

Skin Sensitization : Not a contact sensitizer (guinea pig).

Carcinogenic : Not listed by IARC, NTP or OSHA.

Chronic Effects: No information found

Other Hazards : In test studies, animals exposed to Clethodim technical, the active ingredient in

this formulation, have been observed to have increased liver weights and

anemia.

#### 12. Ecological Information

**Ecotoxicity**: Clethodim is toxic to estuarine and marine invertebrates. Slightly toxic to birds.

Persistence and Degradability: No information found Bioaccumulative Potential: No information found

**Mobility in Soil**: May leach through soil into ground under certain conditions.

Other Adverse Effects: No information found

## 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.

### 14. Transport Information

UN Proper Shipping Name: Not regulated by DOT. Regulated by IATA and IMDG as a Marine Pollutant.

Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None

Environmental Hazards : Marine Pollutant under GHS criteria. Not a Marine Pollutant per 49 CFR

172.101, Appendix B.

Transport in Bulk : No information found

**Special Precautions for**: If shipped by air (IATA) or water (IMDG), ship as: UN3082, Environmentally

Transportation Hazardous Substance, Liquid, n.o.s., (Clethodim), 9, PG III, Marine Pollutant



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Freight Classification: Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11,

Class 70)

15. Regulatory Information

National Fire Protection :

**Association Rating** 

Health: 1 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: N Sudden Release of N

Pressure: 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 : 5905-578

FIFRA Signal Word : Caution
FIFRA Label Statement : Harmful if sw

FIFRA Label Statement : Harmful if swallowed.
FIFRA Label Statement : Causes moderate eye irritation.

FIFRA Label Statement : Avoid contact with eyes, skin or clothing.

FIFRA Label Statement : Wash thoroughly with soap and water after handling and before eating,

FIFRA Label Statement : drinking, chewing gum or using tobacco.

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

FIFRA Label Statement : No additional label statements.

#### 16. Other Information

Data of Preparation/Revision: 06-November-2015