Selleckchem.com
14408 W Sylvanfield Dr, Houston, TX 77014

# Safety Data Sheet

**Revision Date** Jan-1-2024
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## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Product name: Hydroxyflutamide (Hydroxyniphtholide)
Catalog No.: S2174
CAS No.: 52806-53-8

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, manufacture of substances.

### 1.3 Details of the supplier of the safety data sheet

Company: Selleck Chemicals
TollFree: +1 877 796-6397
Tel: +1 832 582-8158
Fax: +1 832 582-8590

### 1.4 Emergency telephone number

Emergency phone #: +1 832 582-8158

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

H302 #Harmful if swallowed.
H315 #Causes skin irritation.
H319 #Causes serious eye irritation.
H335 #May cause respiratory irritation.
H360 #May damage fertility or the unborn child.
H372 #Causes damage to organs through prolonged or repeated exposure.
H411 #Toxic to aquatic life with long lasting effects.

### 2.2 GHS Label elements, including precautionary statements

**Pictogram**

**Signal word** No data available

**Hazard statement(s)**

| | |
|---|---|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H360 | May damage fertility or the unborn child. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |

**Precautionary statement(s)**

| | |
|---|---|
| P203 | Obtain, read and follow all safety instructions before use. |

| | |
|---|---|
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray. |
| P264 | Wash skin thoroughly after handling. |
| P264+P265 | Wash hands thoroughly after handling. Do not touch eyes. |
| P270 | Do not eat, drink or smoke when using this product. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P317 | IF SWALLOWED: Get medical help. |
| P302+P352 | IF ON SKIN: wash with plenty of water. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do-continue rinsing. |
| P318 | If exposed or concerned, get medical advice. |
| P319 | Get medical help if you feel unwell. |
| P321 | Specific treatment if asked. |
| P330 | Rinse mouth. |
| P332+P317 | If skin irritation occurs: Get medical help. |
| P337+P317 | If eye irritation persists: Get medical help. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P391 | Collect spillage. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/ container to an approved waste disposal plant. |

### 2.3 Other hazards

None.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Synonyms: 2-hydroxy-2-methyl-N-(4-nitro-3-(trifluoromethyl)phenyl)propanamide
Hydroxy-flutamide, SCH-16423

Formula: $C_{11}H_{11}F_3N_2O_4$

Molecular Weight: 292.21

CAS No.: 52806-53-8

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eye contact**

Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician.

**Skin contact**

Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.

**Inhalation**

Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

**Ingestion**

Wash out mouth with water; Do NOT induce vomiting; call a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2).

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing media**

**Suitable extinguishing media**

Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

**5.2 Special hazards arising from the substance or mixture**

During combustion, may emit irritant fumes.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures**

Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Refer to protective measures listed in sections 8.

**6.2 Environmental precautions**

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

**6.3 Methods and materials for containment and cleaning up**

Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

## 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling**

Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust ventilation.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

Store at -20°C(powder) or -80°C( in solvent)

**7.3 Specific end use(s)**

No data available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters**

**Components with workplace control parameters**

This product contains no substances with occupational exposure limit values.

**8.2 Exposure controls**

**Engineering controls**

Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

**Personal protective equipment**

| | |
|---|---|
| **Eye protection** | Safety goggles with side-shields. |
| **Hand protection** | Protective gloves. |
| **Skin and body protection** | Impervious clothing. |
| **Respiratory protection** | Suitable respirator. |
| **Environmental exposure controls** | Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible. |

## 9. PHTSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | solid |
| **Odor** | No data available |
| **Odor threshold** | No data available |
| **pH** | No data available |
| **Melting/freezing point** | No data available |
| **Boiling point/range** | No data available |
| **Flash point** | No data available |
| **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** | No data available |
| **Water solubility** | <1 mg/mL |
| **Partition coefficient** | No data available |
| **Auto-ignition temperature** | No data available |
| **Decomposition temperature** | No data available |
| **Viscosity** | No data available |
| **Explosive properties** | No data available |
| **Oxidizing properties** | No data available |

### 9.2 Other safety information

No data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Strong acids/alkalis, strong oxidising/reducing agents.

### 10.6 Hazardous decomposition products

Under fire conditions, may decompose and emit toxic fumes.

Other decomposition products - no data available.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity**

Classified based on available data. For more details, see section 2.

**Skin corrosion/irritation**

Classified based on available data. For more details, see section 2.

**Serious eye damage/irritation**

Classified based on available data. For more details, see section 2.

**Respiratory or skin sensitization**

Classified based on available data. For more details, see section 2.

**Germ cell mutagenicity**

Classified based on available data. For more details, see section 2.

**Carcinogenicity**

IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by ACGIH.

NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.

OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.

**Reproductive toxicity**

Classified based on available data. For more details, see section 2.

**Specific target organ toxicity - single exposure**

Classified based on available data. For more details, see section 2.

**Specific target organ toxicity - repeated exposure**

Classified based on available data. For more details, see section 2.

**Aspiration hazard**

Classified based on available data. For more details, see section 2.

**Additional information**

RTECS No.: Unavailable

This information is based on our current knowledge. However the chemical, physical, and toxicological properties have not been completely investigated.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumlative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment unavailable as chemical safety assessment not required or not conducted.

### 12.6 Other adverse effects

No data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Product**

Dispose substance in accordance with prevailing country, federal, state and local regulations.

**Contaminated packaging**

Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT (US)**

This substance is considered to be non-hazardous for transport.

**IMDG**

UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Marine pollutant: Marine pollutant

**IATA**

UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

## 15. REGULATORY INFORMATION

**SARA 302 Components:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:**

Acute Health Hazard.

**Massachusetts Right To Know Components:**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components:**

No components are subject to the Pennsylvania Right to Know Act.

**New Jersey Right To Know Components:**

No components are subject to the New Jersey Right to Know Act.

**California Prop. 65 Components:**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 16. OTHER INFORMATION

The above information is believed to be correct based on our present knowledge but does not purport to be complete. The product is for research use only and for trained personnel. The burden of safe use of this material rests entirely with the user. SELLECK CHEMICALS disclaims all liability for any damage resulting from use of this material.