1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Exemestane
Product Number: P2006
Brand: Sigma
Supplier: Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA
Telephone: +1 800-355-5632
Fax: +1 800-655-5652
Emergency Phone # (For both supplier and manufacturer): (314) 778-6555
Preparation Information: Sigma-Aldrich Corporation
Product Safety - Americas Region
1-650-521-6955

2. HAZARDOUS IDENTIFICATION

Emergency Overview

OSHA Hazards
Teratogen

Other hazards which do not result in classification
Possible risk of harm to the unborn child. Possible risk of impaired fertility.

GHS Classification
Eye irritation (Category 2B)
Reproductive toxicity (Category 1B)
Acute aquatic toxicity (Category 2)

GHS Label elements, including precautionary statements
Pictogram

Dignified word: Danger

Hazard statement(s)
H220 Causes eye irritation.
H380 May damage fertility of the unborn child.
H401 Toxic to aquatic life.

Precautionary statement(s)
P202 Obtain special instructions before use.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.

NFPA Rating
Health hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Aromasin
6-Methylenandrosta-1,4-diene-3,17-dione
Formula: C20H24O2
Molecular Weight: 296.40 g/mol

Components

Exemestane
CAS-No.: 107868-30-4
Concentration: 90 - 100 %

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Not flammable or combustible.

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self-contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
**Methods and materials for containment and cleaning up**
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage**
Keep container tightly closed in a dry and well-ventilated place.
Keep in a dry place.

**6. EXPOSURE CONTROLS/PERSONAL PROTECTION**
Contains no substances with occupational exposure limit values.

**Personal protective equipment**

**Respiratory protection**
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection**
Safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin and body protection**
Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**8. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**
Form: crystalline, powder
Colour: white

**Safety data**

- pH: no data available
- Melting point/freezing point: 194 - 196 °C (381 - 385 °F)
- Boiling point: no data available
- Ignition temperature: no data available
- Auto-ignition temperature: no data available
- Lower explosion limit: no data available
- Upper explosion limit: no data available
- Vapour pressure: no data available
- Density: no data available
- Water solubility: 0.036 g/l
- Partition coefficient (n-octanol/water): log Pow: 2.5
- Relative vapour density: no data available
- Odour: no data available
- Odour threshold: no data available
- Evaporation rate: no data available

**9. TOXICOLOGICAL INFORMATION**

**Acute toxicity**
- Oral LD50: no data available
- Intraperitoneal LD50: no data available
- Inhalation LC50: no data available
- Dermal LD50: no data available

**Other information on acute toxicity**
- LD50 Intraperitoneal - rat: 404 - 498 mg/kg
- LD50 Intraperitoneal - mouse: 396 - 419 mg/kg

**Skin corrosion/irritation**
- Skin: rabbit - No skin irritation
- Serious eye damage/eye irritation
- Eyes: rabbit - Mild eye irritation

**Respiratory or skin sensitisation**
- Guinea pig - Did not cause sensitisation on laboratory animals.
- Did not cause sensitisation on laboratory animals.

**Germ cell mutagenicity**
- no data available

**Carcinogenicity**
- Carcinogenicity - mouse - Oral

IARC: no component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or unconfirmed human carcinogen by IARC.

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

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

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

Reproductive toxicity
Reproductive toxicity - rat - male - Oral
Effects on Fertility: Other measures of fertility
Reproductive toxicity - rat - Oral
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

no data available

Teratogenicity

Presumed human reproductive toxicant

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion May be harmful if swallowed.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional information
RTEDCS: Not available

12. ECOLOGICAL INFORMATION

Toxicity
Toxicity to algae: EC50 - Scenedesmus quadricauda (green algae) - 7.1 mg/l - 72 h
Method: OECD Test Guideline 201

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil

no data available

PBT and vPvB assessment
no data available

Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards
Teratogen

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

SARA 313 Components
SARA 313: 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
Chronic Health Hazard

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

Pennsylvania Right To Know Components
Exemestane
CAS-No. 107850-30-4
Exemestane
Revision Date

New Jersey Right To Know Components
Exemestane
CAS-No. 107850-30-4
Exemestane
Revision Date

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

Further Information
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