

## Sunitinib malate

**Cat#: orb545815 (MSDS)**

### 1 Identification of the substance

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Identification of the substance Sunitinib malate

Additional identification N-[2-(Diethylamino)ethyl]-5-[(Z)-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene) methyl]-2,4-dimethyl-1H-pyrrole-3-carboxamide Malate

Use of the substance/preparation  
Identified uses

Restriction on use not for food or drug use, for laboratory use only

### 2 Hazards identification

Health Hazards

Reproductive toxicity (category 1B)

Specific target organ toxicity, repeated exposure (STOT RE 1)

Environmental Hazards

not classified

Physical Hazards

not classified

Possible Hazards (Summary)

GHS Labeling

Regulatory List  
EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Symbol

GHS08 health hazard

Pictogram

Signal Word

DangerDanger

Hazard Statement

H360 May damage fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary Statement

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

Additional Information

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

### 3 Composition/information on ingredients

Substance related information

Substance name	Sunitinib malate
Synonymes	N-[2-(Diethylamino)ethyl]-5-[(Z)-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3-carboxamide Malate ;SU 11248
Cas No.	[341031-54-7]
Formula	C22H27FN4O2·C4H6O5

### 4 First aid measures

First Aid: Eye

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

First Aid: Skin

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

First Aid: Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Hints for Physician: Treatment  
Treat symptomatically.

## 5 Firefighting measures

Extinguishing Media

Suitable

foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet

Hazards During Fire-Fighting  
toxic fumes

Protective Equipment for Fire-Fighting  
Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

## 6 Accidental release measures

Personal Precautions

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

Methods for Cleaning or Taking Up  
not available

Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

## 7 Handling and storage

### Handling

#### Handling advice

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

### Storage

#### Storage temperature

store at -15°C

#### Storage condition

close container well

#### Storage Requirements

Warm to Room Temperature before use. Keep away from incompatible substances. Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 8 Exposure controles/personal protection

### Exposure controles

#### Industrial Hygiene

Mechanical exhaust required. Safety shower and eye shower.

#### Personal Protective Equipment

#### Respiratory Protection

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

#### Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

#### Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

#### Body Protection

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

**Advice on Safe Handling**

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

**9 Physical and chemical properties****Color**

off-white

**Form**

powder

**Phase Transition Solid/Liquid**

198 °C

**Molar Mass**

532.56 g/mol

**10 Stability and reactivity****Conditions to Avoid**

incompatible materials

**Substances to Avoid**

strong oxidizers

**Decomposition Products**

nitrogen oxides (NO<sub>x</sub>), carbon dioxide (CO<sub>2</sub>), hydrogen fluoride, carbon monoxide

**11 Toxicological information****Assessment Toxicity to Reproduction**

May cause reproductive effects based upon animal studies.

**Other Relevant Toxicity Information**

Only selected Registry of toxic effects of chemical substances (RTECS) data is presented here. For the complete information, consult current entry in RTECS.

**12 Ecological Information****Biodegradation**

no data available

Bioaccumulation  
no data available

Distribution in Environment  
no data available

### 13 Disposal considerations

Advice on Disposal and Packaging

Advice on Disposal

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

Advice on Packaging  
not available

### 14 Transport information

Road Transport (ADR/GGVS)

not regulated

Air Transport (IATA)

not regulated

### 15 Other regulations

Other Regulations

Regulatory List

EC1272/08, EINECS, TSCA

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Sunitinib malate	-----	-----	-----

## 16 Additional information

GHS Labeling

Regulatory List

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Symbolhealth hazard

GHS08

Signal Word Danger

Danger

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