

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)  
Classifications according to Regulation (EC) No 1272/2008.  
Printdate 16 Aug 2022

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product name:

Imazosulfuron

### 1.1. Catalog No.:

674924

### 1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical  
uses: R&D

### 1.3. Uses advised against:

HPC Standards GmbH  
Am Wieseneck 7

04451 Cunnersdorf  
Deutschland

Tel. +49 34291 3372-36  
Fax. +49 34291 3372-39  
contact@hpc-standards.com

### 1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36  
This number is only available during office hours.

## 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture  
Not a dangerous substance according to GHS.  
This substance is not classified as dangerous according to Directive 67/548/EEC.

### 2.2. Label elements

#### 2.2.1. Pictogram

#### 2.2.2.

Other hazards - none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 1-(2-Chloroimidazo[1,2-a]pyridin-3-ylsulfonyl)-3-(4,6-dimethoxypyrimidin-2-yl)urea  
Formula : C<sub>14</sub>H<sub>13</sub>ClN<sub>6</sub>O<sub>5</sub>S  
Molecular Weight : 412,81 g/mol  
CAS-No. EC-No. Index-No. Classification Concentration  
imazosulfuron  
122548-33-8 - - - -

### 3.1.1. Formula

C<sub>14</sub>H<sub>13</sub>CIN<sub>6</sub>O<sub>5</sub>S

### 3.1.2. Molecular Weight (g/mol)

412.81

### 3.1.3. CAS-No.

122548-33-8

## 4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

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

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid dust formation.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection

Safety glasses

Hygiene measures

General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form crystalline, powder

Colour white

Safety data

pH no data available

Melting point 183 - 184 &deg;C

Boiling point no data available

Flash point no data available

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available Density 1,574 g/cm<sup>3</sup> at 25,5 &deg;C

Water solubility 0,007 g/l at 25 °C  
Partition coefficient:  
n-octanol/water  
log Pow: 0,049 at 25 °C  
Solubility 4,8 g/l Acetone

## 10. STABILITY AND REACTIVITY

Chemical stability  
Stable under recommended storage conditions.  
Conditions to avoid  
no data available  
Materials to avoid  
Strong oxidizing agents  
Hazardous decomposition products  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity  
LD50 Oral - rat - > 5.000 mg/kg  
LD50 Oral - mouse - > 5.000 mg/kg  
LC50 Inhalation - rat - 4 h - > 2,4 mg/l  
Skin corrosion/irritation  
Serious eye damage/eye irritation  
No eye irritation  
no data available  
Respiratory or skin sensitization  
guinea pig - Did not cause sensitization on laboratory animals.  
Germ cell mutagenicity  
Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments. Not mutagenic in Ames Test.  
Carcinogenicity  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
Reproductive toxicity  
no data available  
Specific target organ toxicity - single exposure  
no data available  
Specific target organ toxicity - repeated exposure  
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.  
Additional Information  
Repeated dose toxicity - rat - male - No observed adverse effect level - 106,1 mg/kg  
Repeated dose toxicity - rat - female - No observed adverse effect level - 132,46 mg/kg  
RTECS: no data available

## 12. ECOLOGICAL INFORMATION

Toxicity  
Toxicity to fish LC50 - Cyprinus carpio (Carp) - 250 mg/l - 96 h  
Toxicity to daphnia  
and other aquatic  
invertebrates.  
EC50 - Daphnia - > 100 mg/l - 48 h  
Persistence and degradability  
According to the results of tests of biodegradability this product is not readily biodegradable.  
Bioaccumulative potential  
no data available  
Mobility in soil  
no data available  
PBT and vPvB assessment  
no data available  
Other adverse effects  
no data available

## 13. DISPOSAL CONSIDERATIONS

Product  
Observe all federal, state, and local environmental regulations.  
Contaminated packaging  
Dispose of as unused product

## 14. TRANSPORT INFORMATION

ADR/RID  
Not dangerous goods  
IMDG  
Not dangerous goods  
IATA  
Not dangerous goods

## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!