

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)  
Classifications according to Regulation (EC) No 1272/2008.  
Printdate 03 Jan 2024

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

### 1.1. Product name:

Fluxapyroxad

### 1.1. Catalog No.:

677303

### 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

2.1 Classification of the substance or mixture  
Classification according to Regulation (EC) No 1272/2008  
Carcinogenicity (Category 2), H351  
Acute aquatic toxicity (Category 1), H400  
Chronic aquatic toxicity (Category 1), H410 Classification according to EU Directives 67/548/EEC or 1999/45/EC  
Xn, N Harmful, Dangerous for the environment  
R40, R50/53

### 2.2. Label elements

#### 2.2.1. Pictogram



#### 2.2.2.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008  
Pictogram Signal word Warning  
Hazard statement(s)  
H351 Suspected of causing cancer.  
H410 Very toxic to aquatic life with long lasting effects Precautionary statement(s)  
P273 Avoid release to the environment.  
P281 Use personal protective equipment as required.  
P501 Dispose of contents/ container to an approved waste disposal plant.  
Supplemental Hazard  
Statements  
none  
2.3 Other hazards - none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances  
Formula : C<sub>18</sub>H<sub>12</sub>F<sub>5</sub>N<sub>3</sub>O  
Molecular Weight : 381,30 g/mol  
CAS-No. : 907204-31-3  
Hazardous ingredients according to Regulation (EC) No 1272/2008  
Component Classification Concentration  
Fluxapyroxad  
CAS-No.  
907204-31-3  
Carc. 2; Aquatic Acute 1;  
Aquatic Chronic 1; H351,  
H410  
≤ 100 %

#### 3.1.1. Formula

C<sub>18</sub>H<sub>12</sub>F<sub>5</sub>N<sub>3</sub>O

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

381.30

#### 3.1.3. CAS-No.

907204-31-3

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

###### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

###### 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

Flush eyes with water as a precaution.

###### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult 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) and/or in section 11

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

no data available

#### 5. FIRE-FIGHTING MEASURES

##### 5.1 Extinguishing media

###### Suitable extinguishing media

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

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

Carbon oxides, nitrogen oxides (NOx), Hydrogen fluoride

##### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

##### 5.4 Further information

no data available

#### 6. ACCIDENTAL RELEASE MEASURES

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

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

For personal protection see section 8.

##### 6.2 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.

##### 6.3 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.

##### 6.4 Reference to other sections

For disposal see section 13

#### 7. HANDLING AND STORAGE

##### 7.1 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.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

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

Maximum storage duration: 24 Months

Stable under recommended storage conditions.

7.3 Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form: powder

Colour: beige

b) Odour odourless

c) Odour Threshold no data available

d) pH ca.5 - 6

e) Melting point/freezing

point

ca.157 °C

f) Initial boiling point and

boiling range

no data available

g) Flash point no data available

h) Evaporation rate no data available

i) Flammability (solid, gas) no data available

j) Upper/lower

flammability or

explosive limits

no data available k) Vapour pressure no data available

l) Vapour density no data available

m) Relative density no data available

n) Water solubility 0,00388 g/l at 20 °C

o) Partition coefficient: noctanol/

water

log Pow: 3,10 at 20 °C

p) Auto-ignition

temperature

not auto-flammable

q) Decomposition

temperature

290 °C, 30 KJ/kg -

335 °C, 950 KJ/kg -

r) Viscosity no data available

s) Explosive properties no data available

t) Oxidizing properties no data available

9.2 Other safety information

Dissociation constant 12,58 at 0,0015 g/l at 20 °C

## 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 and strong bases, Strong oxidizing agents
- 10.6 Hazardous decomposition products  
Other decomposition products - no data available  
In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects
    - Acute toxicity
    - LD50 Oral - rat - > 2.000 mg/kg
    - LC50 Inhalation - rat - 4 h - > 5,1 mg/l  
(OECD Test Guideline 403)
    - LD50 Dermal - rat - > 2.000 mg/kg  
(OECD Test Guideline 402)
    - Skin corrosion/irritation
    - Skin - rabbit
    - Result: No skin irritation  
(OECD Test Guideline 404)
    - Serious eye damage/eye irritation
    - Eyes - rabbit
    - Result: No eye irritation  
(OECD Test Guideline 405)
    - Respiratory or skin sensitisation
    - Maximisation Test - guinea pig
    - Does not cause skin sensitisation.  
(OECD Test Guideline 406)
    - Maximisation Test - guinea pig
    - Does not cause respiratory sensitisation.  
(OECD Test Guideline 406)
    - Germ cell mutagenicity
    - Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
    - Carcinogenicity
    - Limited evidence of carcinogenicity in animal studies
    - 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
    - Animal testing did not show any effects on foetal development.
    - Animal testing did not show any effects on fertility.
    - Specific target organ toxicity - single exposure
    - The substance or mixture is not classified as specific target organ toxicant, single exposure.
    - Specific target organ toxicity - repeated exposure
    - no data available
    - Aspiration hazard
    - no data available
    - Additional Information
    - RTECS: Not available
- To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity
- Toxicity to fish static test LC50 - *Oncorhynchus mykiss* (rainbow trout) - 0,546 mg/l - 96 h

(OECD Test Guideline 203)  
static test LC50 - *Lepomis macrochirus* - 96 h  
(OECD Test Guideline 203)  
static test LC50 - *Pimephales promelas* (fathead minnow) - 96 h  
(OECD Test Guideline 203)  
Toxicity to daphnia and  
other aquatic  
invertebrates  
static test EC50 - *Daphnia magna* (Water flea) - 7,07 mg/l - 48 h  
(OECD Test Guideline 202)  
Toxicity to algae EC50 - *Pseudokirchneriella subcapitata* - 0,70 mg/l  
(OECD Test Guideline 201) 12.2 Persistence and degradability  
Biodegradability Result: < 10 % - not rapidly biodegradable  
(OECD Test Guideline 301B)  
Remarks: According to the results of tests of biodegradability this product is not  
readily biodegradable.  
12.3 Bioaccumulative potential  
Does not accumulate in organisms.  
12.4 Mobility in soil  
no data available  
12.5 Results of PBT and vPvB assessment  
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted  
12.6 Other adverse effects  
Very toxic to aquatic life with long lasting effects

### 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods  
Product  
Offer surplus and non-recyclable solutions to a licensed disposal company. 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

14.1 UN number  
ADR/RID: 3077 IMDG: 3077 IATA: 3077  
14.2 UN proper shipping name  
ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Fluxapyroxad)  
IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Fluxapyroxad)  
IATA: Environmentally hazardous substance, solid, n.o.s. (Fluxapyroxad)  
14.3 Transport hazard class(es)  
ADR/RID: 9 IMDG: 9 IATA: 9  
14.4 Packaging group  
ADR/RID: III IMDG: III IATA: III 14.5 Environmental hazards  
ADR/RID: yes IMDG Marine pollutant: yes IATA: yes  
14.6 Special precautions for user  
Further information  
EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination  
packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

## 15. REGULATORY INFORMATION

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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
no data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## 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!