1 - Identification of substance and manufacturer
Axon catalogue ID: 1165
Product name: cPEPCK inhibitor
IUPAC name: N-[(4-[3-Butyl-1-(2-fluoro-benzyl)-2,6-dioxo-2,6,9-triazenido-1H-purin-8-ylmethyl]phenyl)acetamide

Manufacturer's name: Axon Medchem BV
Emergency Telephone number: +31 (0)50 311 8007

2 - Hazards identification
Route of entry:
- Eye contact
- Inhalation
- Digestion

Symptoms of Exposure:
No data available

Hazardous ingredient CAS number
CPEPCK inhibitor 628279-07-2

Concentration LD-50 of ingredient
98.9%

5 - Fire Fighting Measures
Fire fighting instructions:
Use extinguishing media appropriate to the surrounding fire conditions. Wear protective clothing to prevent contact with skin, eyes, and respiratory system.

Flashpoint (°C) Hazardous combustion products
+31 (0)50 3600390
May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO2), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.

6 - Accidental Release Measures
Leak and spill procedures:
Wear appropriate protective clothing. Vacuum or sweep up dry material and dispose in an appropriate container as described under Disposal Conditions. Avoid raising dust. Absorb solutions with finely-powdered liquid-binding material. After removal, ventilate and decontaminate surfaces and equipment with alcohol. Dispose of contaminated materials according to section 13.

Handling procedures and equipment:
Avoid inhalation, contact with eyes, skin and clothing. Wear appropriate protective clothing. Avoid repeated and/or prolonged exposure. Use in a chemical fume hood, with an independent air supply.

Storage requirements:
Store in a properly sealed container under the storage conditions indicated on the label.

7 - Handling and Storage

8 - Exposure Control / Personal Protection
Exposure limits:
- Protection of hands/skin: Chemical resistant gloves and lab coat
- Protection of eyes: Appropriate safety glasses
- Protection of respiratory system: Handle in fume hood. Prevent inhalation

9 - Physical and chemical properties
Batch molecular formula:
C25H26FN5O3
Batch MW 463.60
Appearance: White solid
Melting point: 261.1 - 262.2 °C
Chemical purity: 1.0%
Optical purity (ee): N.A.
Solubility in water (mg/mL): 0.0

10 - Stability and reactivity
Stability:
Stable under normal handling conditions.

Reactivity:
May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO2), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.

Conditions and materials to avoid:
Protect from light and heat. Avoid strong oxidizing agents.

11 - Toxicological information
Toxicity:
No data available
Carcinogenicity: No data available
Mutagenicity: No data available
Teratogenicity: No data available

12 - Ecological information
Treat as potentially toxic. Runoff from fire control or dilution with water may cause pollution.

13 - Disposal considerations
Treat as potentially toxic. Dispose in accordance with local, state, and federal regulations.

14 - Transport Information
US DOT shipping name: cPEPCK inhibitor
IATA class: No data available
Applicable HS class: 2942.00.0000
Transportation (Land/Sea/Air): Non-hazardous

15 - Regulatory Information
Hazardous ingredient CAS number
CPEPCK inhibitor 628279-07-2

European risk and safety phrases:
R48: Danger of serious damage to health by prolonged exposure.
S24/25 - Avoid any inhalation, contact with skin and eyes.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16 - Other information
The above information is believed to be accurate and represents the best information currently available to us, but does not purport to be complete.

For research use only by trained personnel.

CAUTION: SUBSTANCE NOT FULLY TESTED