

SAFETY DATA SHEET

1. Identification

1.1 Toxicological information

Trade name: 2-fluoro-2-oxo PCE (hydrochloride)

Synonym: 2-(ethylamino)-2-(2-fluorophenyl)-cyclohexanone, monohydrochloride (2-FDCNEK, 2-fluoro DCNEK, 2-fluoro NENDCK)

CAS Number: 2850352-64-4

1.2 Ecological information

This product is for research use - Not for human or veterinary diagnostic or therapeutic use.

1.3 Disposal considerations

Pichi Pacha

Pettelaarpark 84

5216 PP 's-Hertogenbosch

Netherlands

BTW NL 004223211B42

1.4 Emergency telephone number

112 or 061

2. Hazard(s) identification

2.1 Classification of the substance or mixture

The substance is not classified according to the Globally Harmonized System (GHS).

2.2 Label elements

GHS label elements: None.

Hazard pictograms: None.

Signal word: None.

Hazard statements: None.

2.3 Classification system

NFPA ratings (scale 0-4)



• **HMIS-ratings (scale 0 - 4)**



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Health = 3

Fire = 0

Reactivity = 0

HMIS ratings (scale 0-4)

Health = 0, Fire = 0, Reactivity = 0

2.4 Other hazards

PBT: Not applicable. vPvB: Not applicable.

3. Composition/information on ingredients

3.1 Substances

Chemical characterization: 2-fluoro-2-oxo PCE (hydrochloride)

CAS Number: 2850352-64-4

3.2 Classification according to (d)(1)(ii) of 29 CFR 1910.1200

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

3.3 Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

4. First-aid measures

4.1 Description of first aid measures

General information:

No special measures required.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Generally the product does not irritate the skin.

After eye contact:

Rinse opened eye for several minutes under running water.

After swallowing:

If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of immediate medical attention and special treatment needed

No further relevant information available.

5. Fire-fighting measures

5.1 Extinguishing media

Use fire fighting measures that suit the environment. A solid water stream may be inefficient.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

No special measures required.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 Environmental precautions

Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up

Pick up mechanically.

7. Handling and storage

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7.1 Precautions for safe handling

No special measures required. Ensure good ventilation/exhaustion at the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with information listed on the product insert. No special requirements.

8. Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace: Not required.

8.2 Appropriate engineering controls

No further data; see section 7.

8.3 Individual protection measures

Breathing equipment:

Not required.

Hand protection:

Protective gloves. The glove material must be impermeable and resistant to the product. Selection based on penetration times, diffusion rates and degradation.

Eye protection:

Not required.

9. Physical and chemical properties

Form: Solid

Colour: Not determined.

Odour: Characteristic

Structural formula: $C_{14}H_{18}FNO \cdot HCl$

Molecular weight: 271.8 g/mol

Odour threshold: Not determined.

Melting point/melting range: Undetermined.

Boiling point/boiling range: Undetermined.

Flash point: Not applicable

Flammability (solid, gaseous): Product is not flammable.

Decomposition temperature: Not determined.

Ignition temperature: Not determined.

Danger of explosion: Product does not present an explosion hazard.

Vapour pressure: Not applicable

Density: Not determined.

Solubility in water: Not determined.

Partition coefficient (n-octanol/water): Not determined.

Viscosity: Not applicable

DMF: 10 mg/ml; DMSO: 10 mg/ml; Ethanol: 10 mg/ml; PBS (pH 7.2): 5 mg/ml

10. Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

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No dangerous decomposition products known.

11. Toxicological information

11.1 Information on toxicological effects

On the skin:

No irritant effect.

On the eye:

No irritant effect.

Sensitization:

No sensitizing effects known.

11.2 Carcinogenic categories

IARC: Substance is not listed.

NTP: Substance is not listed.

OSHA-Ca: Substance is not listed.

12. Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 PBT and vPvB assessment

PBT: Not applicable. vPvB: Not applicable.

12.6 Other adverse effects

Water hazard class 1: slightly hazardous for water. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

13. Disposal considerations

13.1 Waste treatment methods

Product:

Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Disposal must be made according to official regulations.

14. Transport information

UN Number

DOT, IMDG, IATA: not regulated

UN proper shipping name

DOT, IMDG, IATA: not regulated

Transport hazard class(es)

DOT, IMDG, IATA: not regulated

Packing group

DOT, IMDG, IATA: not regulated

Environmental hazards

Not applicable

Special precautions for user

Not applicable

Transport in bulk

Not applicable

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15. Regulatory information

15.1 Safety, health and environmental regulations

SARA Section 355: Substance is not listed.

SARA Section 313: Substance is not listed.

TSCA: Substance is not listed.

Hazardous Air Pollutants: Substance is not listed.

15.2 Proposition 65

Chemicals known to cause cancer: Substance is not listed.

Chemicals known to cause reproductive toxicity for females: Substance is not listed.

Chemicals known to cause reproductive toxicity for males: Substance is not listed.

Chemicals known to cause developmental toxicity: Substance is not listed.

15.3 Carcinogenic categories

EPA: Substance is not listed.

TLV: Substance is not listed.

NIOSH-Ca: Substance is not listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

Abbreviations and acronyms

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Toxicity - Oral 4: Acute toxicity - Category 4

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All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. Pichi Pacha assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of these data. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Pichi Pacha assumes no responsibility for the completeness or accuracy of the information contained herein.

End of safety data sheet