



S a f e t y D a t a S h e e t
According to Regulation (EC) 1907/2006

281956 **Formamide AQUAMETRIC KF dry RV**

1. Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:

Formamide

1.2 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:

PANREAC QUIMICA, S.L.U.

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2. Identification of dangers

May cause harm to the unborn child.

3. Component Composition/Information

Name: Formamide

Formula: HCONH_2 M.=45,04 CAS [75-12-7]

EC number (EINECS): 200-842-0 EC index number: 616-052-00-8

4. First aid

4.1 General indications:

4.2 Inhaling:

Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes:

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek medical assistance.

4.5 Swallowing:

Avoid vomiting.(Risk of aspiration.) Keep respiratory tracts clear. Seek immediate medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Water. Carbon dioxide (CO_2). Dry powder. Foam.

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Flammable. Keep away from sources of ignition. In the event of fire, fumes may form: CO , NH_3 , HCN , NO_x .

5.4 Protective equipment:

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Do not inhale the fumes.

6.2 Precautions for care of the environment:

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods for collection/cleaning:

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

7. Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

Well sealed containers. Dry atmosphere. In well ventilated premises. Away from light. Restricted access, only authorized to technicians. Atmospheric temperature.

8. Staff exposure/protection controls

8.1 Technical protective measures:

Ensure good ventilation and renewal of the air in the premises.

8.2 Exposure limit control:

VLA-ED: 10 ppm or 19 mg/m³

8.3 Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Wash hands and face before breaks and when the job is done. Use complete protective equipment.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

The supplier of the protection equipment must specify the type of protection to be worn when handling the substance or preparation, including the type of material and the breakthrough time of the material, with regard to the amount and duration of exposure.

9. Physical and chemical properties

Appearance:

Transparent, colourless liquid.

Odour:

Characteristic.

pH 4-5(200g/l)

Boiling point:210°C

Melting point: 2°C

Flash point: 150°C

Self-ignition temperature: 500°C

Explosion limits (lower/upper): 2,7 / 19,0 vol.%

Vapour pressure: 0,13 hPa (20°C)

Density (20/4): 1,13

Solubility: Miscible with water and ethanol.

10. Stability and reactivity

10.1 Conditions which should be avoided:

High temperatures.

10.2 Matter which should be avoided:

Oxidant agents. Iodine./ Pyridine./ Sulphur trioxide. Water separating matters.

10.3 Hazardous decomposition products:

Ammonia. Carbon monoxide. Hydrogen cyanide.

10.4 Complementary information:

Heat sensitive. Hygroscopic.

11. Toxicological information

11.1 Acute toxicity:

LD₅₀ oral rat: 5800 mg/kg.

LD₅₀ dermal rabbit: 17000 mg/kg

Subacute to chronic toxicity:

In animal experiments: Harm to the unborn child.

11.2 Dangerous effects for health:

Upon contact with the skin: irritations slight

Descomposition originates very toxic products.

Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Mobility:

Repartition: $\log P(\text{oct}) = -0,82$

12.2 Ecotoxicity:

12.1.1 - EC₅₀ test (mg/l):

Fish (*Leuciscus Idus*) = > 500 mg/l ; Classification: Toxic

12.2.2 - Receptor medium:

Risk for the water environment = Medium

Risk for the land environment = Low

12.2.3 - Observations:

Ecotoxic for fish.

12.3 Degradability:

12.3.1 - Test: Gew = > 60%

12.3.2 - Biotic degradation classification:

BOD₅/COD Biodegradability = High, over 1/3

12.3.3 - Abiotic degradation depending on pH: -----

12.3.4 - Observations:

Easily biodegradable product.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk = Low

12.4.3 - Observations:

Non-bioaccumulable product.

12.5 Other possible effects on the environment:

No interferences are to be anticipated in treatment plants if use correctly. Hardly pollutant product.

13. Considerations regarding elimination

13.1 Substance or preparation:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country. In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes.

Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

13.2 Contaminated containers:


Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

14. Information concerning transport

15. Mandatory information

Labelling as per REACH

Symbols: 

Danger indications: Toxic

Phrases R: 61 May cause harm to the unborn child.

Phrases S: 53-45 Avoid exposure-obtain special instructions before use. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EC index number: 616-052-00-8

16. Other information

Review number and date: 1 07.06.09

In respect of the previous review, changes have been made to the following sections: 2, 3, 15.

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.