PanReac AppliChem ITW Reagents

Safety Data Sheet
According to Regulation (EU) 830/2015

1675 **Sodium Fluoride**

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Name:
Sodium Fluoride

REACH Registration Number: 01-2119539420-47-XXXX

1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:
PANREAC QUIMICA S.L.U.
C/Garraf 2
Polígono Pla de la Bruguera
E-08211 Castellar del Vallès
(Barcelona) Spain
Tel. (+34) 937 489 400
e-mail: product.safety@panreac.com

1.4 Emergency telephone:
Single telephone number for emergency calls: 112 (EU)

2. Identification of dangers

2.1 Classification of the substance or the mixture.

Acute Tox. 3
Eye Irrit. 2
Skin Irrit. 2

2.2 Label elements:

Hazard Pictograms

Signal word

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Hazard statements
H301 Toxic if swallowed.
EUH032 Contact with acids liberates very toxic gas.
H319 Causes serious eye irritation.
H315 Causes skin irritation.

Precautionary statements
P264 Wash...thoroughly after handling.
P270 Do no eat, drink or smoke when using this product.
P280 Wear protective gloves, protective clothing, eye protection or face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

3.1 Substances

Name: Sodium Fluoride
Formula: NaF M.= 41,99 CAS [7681-49-4]
EC number (EINECS): 231-667-8
EC index number: 009-004-00-7
REACH Registration Number: 01-2119539420-47-XXXX

3.2 Mixtures

4. First aid measures

4.1 Description of first aid measures

Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Swallowing:
Drink large amounts of water or milk. Induce vomiting. Seek immediate medical assistance.

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Inhaling:
Take the person out into the fresh air. In the event of suffocation, proceed to provide artificial respiration.

Contact with the skin:
Wash with plenty of water. Remove contaminated clothing.

Eyes:
Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

5. Firefighting measures

5.1 Extinguishing media:
As appropriate to the environment.

5.2 Special hazards arising from the substance or mixture:
Incombustible. In the event of fire, toxic fumes may form:

5.3 Advice for firefighters:
Suitable clothing and footwear.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Do not inhale the dust.

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

6.3 Methods and material for containment and cleaning up:
Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

6.4 Reference to other sections
Not applicable

7. Handling and storage

7.1 Precautions for safe handling:
No special indications.

7.2 Conditions for safe storage, including any incompatibilities:
Well sealed containers. In well ventilated premises. Dry atmosphere.
Recommended storage temperature: Room temperature. Restricted access, only authorized to technicians.

7.3 Specific end use(s)
No more relevant data available

8. Exposure controls/personal protection

8.1 Control parameters:
VLA-ED: 2,5 mg/m3

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8.2 Exposure controls

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

Respiratory protection:
If dust forms, use suitable respiratory protection.

Hand protection:
Use suitable gloves neopren PVC nitrile latex

Eye/face protection:
Use safety glasses.

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

Environmental exposure controls:
Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: solid
Colour: White
Granulometry: N/A
Odour: Odourless.
pH: ~10,2 ((40g/l))
Melting point/freezing point: 993 °C
Initial boiling point and boiling range: 1.704 °C
Flash point:
N/A
Flammability (solid, gas):
N/A
Upper/lower flammability or explosive limits:
N/A
Vapour pressure: N/A
Vapour density: N/A
Relative density: 2,78 g/ml
Solubility: 40 g/l in water (20 °C)
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature:
N/A
Decomposition temperature: N/A
Kinematic viscosity: N/A
Dynamic viscosity:
N/A

9.2 Other information

No more relevant data available

10. Stability and reactivity

10.1 Reactivity

No specific data.

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10.2 Chemical stability:
No specific data.

10.3 Possibility of hazardous reactions
No specific data.

10.4 Conditions to avoid:
The product is chemically stable under standar ambient conditions (room temperature).

10.5 Incompatible materials:
Acids. (Formation of

10.6 Hazardous decomposition products:
HF.

11. Toxicological information

11.1 Information on toxicological effects
Acute toxicity:
LD L0 oral hmn : 71 mg/kg
LD50 oral rat : 52 mg/kg
LD50 ipr mus : 38 mg/kg

Dangerous effects for health:
If dust inhaled: Irritations to the mucosae coughing respiratory paralysis Upon contact with the skin: burns Irritations to the skin and mucosae. Through contact with the eyes: burns sight disorders If swallowed: Burns in the oesophagus and stomach. Burns in the digestive apparatus stomach pains vomiting spasms shock arrhythmia respiratory paralysis death Systemic effects: decrease of the blood calcium level anxiety spasms cardiovascular disorders effects on the central nervous system Due to absorption: spasms loss of consciousness arrhythmia respiratory paralysis shock After a period of latency: Damaging to the bone marrow.

12. Environmental information

12.1 Toxicity:
- EC50 test (mg/l):
Bacteria (Ps. putida) 231 mg/l
Classification:
Highly toxic
Algae (Sc. cuadricauda) 249 mg/l
Classification:
Highly toxic
Protozoa (E. sulcatum) 101 mg/l
Classification:
Highly toxic
Protozoa (U. parduczi). 71 mg/l
Classification:
Extr. toxic
Fish (Leuciscus Idus) 660 mg/l
Classification:
Highly toxic
- Receptor medium:

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12.2 Persistence and Degradability :
- Test:
- Biotic degradation classification:
BOD5/COD
Biodegradability
- Abiotic degradation depending on pH:
- Observations:
12.3 Bioaccumulative potential:
- **Test:**
- Bioaccumulation:
Risk
- Observations:
12.4 Mobility in soil :
Data not available.

12.5 Assessment PBT and MPMB :
Data not available.

12.6 Other adverse effects:
Do not allow it to enter soils or water channels.
Product hardly pollutant for water.

13. Disposal considerations

13.1 Waste treatment methods:
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.
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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.
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14. Transport information

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14.1 UN number
UN1690

14.2 UN proper shipping name
SODIUM FLUORIDE, SOLID

14.3 Transport hazard class(es)

6.1

14.4 Packing group
ADR/IMDG: III
IATA: III

14.5 Environmental hazards

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
The substance is subject to Council Regulation (EC) No 1334/2000 of 22 June 2000 setting up a Community regime for the control of exports of dual-use items and technology.

15.2 Chemical safety assessment
Not applicable

16. Other information

Other precautionary statements
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P330 Rinse mouth.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P405 Store locked up.

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Version and revision date : 5 07.10.2017
Date published: 07.10.2017
In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15
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.

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