

## Safety Data sheet

According to Directive 1907/2006

### 3533 SODIUM FLUORIDE GMP

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Creation Date: 29/04/2014 Revision date: 31/05/2017

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## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the product

Catalogue No: 3533 Product name: SODIUM FLUORIDE GMP Use of the substance: Analysis and chemical-pharmaceutical production. REACH registration Nr.: 01-2119539420-47-0008

### Company/undertaking identification

QUALITY CHEMICALS, SL - C/Fornal 35. Pol. Ind. Can Comelles Sud 08292 ESPARREGUERA ESPAÑA Tel. 937709730 Fax. 937709337 e-mail: dtecnica@qualitychemicals.com

### Emergency telephone No.

Quality Chemicals S.L. Tel. +34 937709730 Only in business hours. Instituto Nacional de Toxicología \*Madrid\* Tel:915620420 Chemtrec: 800-424-9300

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## 2. Hazards identification

Labelling in accordance with directive 1907/2006



### R-phrases

25 Toxic if swallowed.  
32 Contact with acids liberates very toxic gas.  
36/38 Irritating to eyes and skin.

### S-phrases

22 Do not breathe dust.  
36 Wear suitable protective clothing.  
45 In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where possible)

Labelling in accordance with directive 1272/2008



### H-phrases

301 Toxic if swallowed.

EUH032 Contact with acids liberates very toxic gas.  
319 Causes serious eye irritation.  
315 Causes skin irritation.

**P-phrases**

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.  
305+351 If in eyes: Rinse cautiously with water for several minutes.  
338 Remove contact lenses, if present and easy to do. Continue rinsing.

Signal word : DANGER

TOXIC

R-phrases:

Toxic if swallowed.  
Contact with acids liberates very toxic gas.  
Irritating to eyes and skin.

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### 3.Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 7681-49-4

Molecular Weight: 41,99

Chemical formula: NaF

EC-Index-No.: 009-004-00-7

EC-No.: 231-667-8

R-phrases 25; 32; 36/38

For more information about the R-Phrases text you can consult the paragraph 16

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### 4.First aid measures

**After inhalation:**

Fresh air  
If necessary, artificial respiration  
Call the physician

**After skin contact:**

Rinse with abundant water (or have a shower)  
Extract the substance by means of cotton impregnated with polietilenglicol 400  
Undress immediately of the contaminated clothes

**After eye contact:**

Rinse with abundant water, keeping eyelids open (at least 10 min)  
Call the ophthalmologist

**After swallowing:**

Drink lots of water  
To cause vomit  
Call the doctor

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### 5.Fire-fighting measures

**Suitable extinguishing media:**

Adapt the materials of the surroundings

**Special risks:**

Fireproof  
Ambient fire may liberate hazardous vapours  
In case of fire, hydrogen fluoride can be formed

**Special protective equipment for fire fighting:**

Remain in the risk area only if provided with independent artificial respiratory systems.

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

**Other information:**

Precipitate emergent steam with water

Avoid the penetration of the extinction water in superficial or subterraneous aquifers.

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## 6. Accidental release measures

**Person-related precautionary measures:**

Avoid contact with the substance

Avoid dust formation

Do not inhale dust

Ventilation in closed spaces

**Procedures for cleaning/absorption:**

Dry cleaning. Proceed to the elimination of any waste.

To avoid the inert dust formation

**Environmental protection measures:**

Do not send it to the sewerage system

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## 7. Handling and storage

Handling: keep workplace dry

**Storage:**

Well closed

In well-ventilated place

Dry place.

Storage temperature: without limits

Only authorized access to specialized technicians

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## 8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 2,5 mg/m<sup>3</sup>

**Personal protective equipment:**

**Respiratory protection:**

Necessary respiratory protection in the presence of dust

**Hand protection:**

Needed

Protection gloves:

Nitrile rubber

**Eye protection:**

Needed

**Skin and body protection:**

Suitable protective clothing

**Other protective equipment:**

Change immediately contaminated clothes

Recommendable preventive protection of the skin

Wash hands and face when the work is finished

Neither to eat, nor to drink, nor to smoke during the work

Work under extractor

Do not inhale the substance

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## 9. Physical and chemical properties

Physical state: Solid  
Colour: Colourless  
Odour: Odourless  
pH value: 10,2 (40 g/l H<sub>2</sub>O)  
Melting point: 993°C  
Boiling point: 1695°C  
Vapour pressure: 1 hPa  
Solubility: 42 g/l (water)

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## 10. Stability and reactivity

### Substances to be avoided:

Acids.

### Hazardous decomposition products:

Hydrogen fluoride.

### Further information:

Sensitive to moisture.

To avoid heating (decomposition).

Incompatible with glass.

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## 11. Toxicological information

### Acute toxicity:

LD50 (oral, rat): 52 m/kg; LD50 (oral, man): 75 mg/kg

### After eye contact:

Irritation

Córnea disorder

### After skin contact:

Irritations

Causes poorly healing wounds

### After inhalation:

Irritations of the mucous membranes

Coughing

Dyspnoea

### After long contact:

Cardiovascular disorders

Drop in blood calcium level

Spasms

Agitation

### After swallowing:

Burns in mouth

Burns in throat

Burns in oesophagus

Burns in gastrointestinal tract

Vomiting

Spasms

Strong pain

Shock

### Further toxicological information:

Decomposition of the substance with tissue moisture  
The precautions adapted for chemical agents must be observed

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## 12. Ecological information

Fishes: *Gambusia affinis* LC50: 925 mg/l /96 h; *L. macrochirus* LC50: >530 mg/l /96 h  
Daphnia: *Daphnia magna* EC50: 338 mg/l /48 h  
Algae: *Desmodesmus subspicatus* IC50: 850 mg/l /72 h  
Bacteria: Activated sludge EC50: 2930 mg/l /3 h

### Other harmful effects:

Forms toxic mixtures in water, dilution measures not with standing  
Hazard for drinking water supplies  
Do not allow to enter waters, waste water, or soil

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## 13. Disposal considerations

### Product:

Dispose as regulated in the community countries by local regulations.  
Please contact with the suitable authority in each case (Public Administration or company specialized in

### Packaging:

Product packaging disposal must be disposed of in compliance with the respective local regulations.  
For contaminated packaging the same measures must be adopted as for the contaminated product.  
Not contaminated packaging must be disposed of as domestic residues or recycled material.  
European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

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## 14. Transport information

### Overland transport ADR/RID

UN: 1690  
Class: 6.1  
Packaging group: III  
Correct technical name: SODIUM FLUORIDE, SOLID

### Sea transport IMDG

UN: 1690  
Class: 6.1/III  
Packaging group: III  
Correct technical name: SODIUM FLUORIDE, SOLID

### Air transport ICAO-IATA-DGR

UN: 1690  
Class: 6.1  
Packaging group: III  
Correct technical name: SODIUM FLUORIDE, SOLID  
CAO: 677  
PAX: 670

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## 15. Regulatory information

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## 16. Other information

Full text of R phrases mentioned in sections 2 and 3

25 Toxic if swallowed.

32 Contact with acids liberates very toxic gas.

36/38 Irritating to eyes and skin.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to appropriate safety precautions. It does not represent a guaranty of the properties of the product.