

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: FLUORIDE STANDARD SOLUTION 1000PPM

Product code: 21333

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC21: Laboratory chemicals.

1.3. Details of the supplier of the safety data sheet

Company name: EDT directION
Limited
The Old Silo Store
St. Radigund's Abbey Farm
Dover CT15 7DL
UK
Tel: 01304 829960
Email: Info@edt.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0)1304829960

Section 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification under CLP: -: EUH032

Most important adverse effects: Contact with acids liberates very toxic gas.

2.2. Label elements

Label elements:

Hazard statements: EUH032: Contact with acids liberates very toxic gas.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients**3.2. Mixtures**

SAFETY DATA SHEET
21333 FLUORIDE STANDARD Solution 1000PPM

Page: 2

Hazardous ingredients:

SODIUM FLUORIDE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-667-8	7681-49-4		Acute Tox. 3: H301; Eye Irrit. 2: H319; Skin Irrit. 2: H315; -: EUH032	<1%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Carbon dioxide.
Foam. Dry chemical. Water spray. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: The product itself does not burn. Thermal decomposition can lead to release of irritating gases and vapors. Hydrogen chloride gas, Sodium oxides

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with Skin and eyes

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers Leak side up to prevent the escape of liquid.

[cont...]

SAFETY DATA SHEET
21333 FLUORIDE STANDARD SOLUTION1000PPM

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Use only in well-ventilated areas.

Avoid contact with skin, eyes and clothing.

Avoid breathing vapours or mists.

For personal protection see section 8. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	2.5mg/m3 Fluoride, inorganic	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of work day.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves. Glove material: Nitrile. Layer thickness:0.15mm. Breakthrough time:>480min. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection: Safety glasses. Use equipment for eye protection tested and approved under

SAFETY DATA SHEET
21333 FLUORIDE STANDARD SOLUTION 1000PPM

Page: 4

appropriate government standards such as NIOSH (US) or EN 166(EU). Ensure eye bath is to hand.

Skin protection: Wear appropriate clothing to prevent any possibility of skin contact.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Odourless

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: no data available

10.5. Incompatible materials

Materials to avoid: Acids. Products that are incompatible with water.

10.6. Hazardous decomposition products

Haz. decomp. products: Does not decompose when used for intended uses.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

SODIUM FLUORIDE

ORL	MUS	LD50	57	mg/kg
ORL	RAT	LD50	52	mg/kg
SCU	RAT	LD50	175	mg/kg

[cont...]

SAFETY DATA SHEET
21333 FLUORIDE STANDARDSolution 1000PPM

Page: 5

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Recommendation: Disposal must be made according to official regulations.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values. HSA "2011 Code of Practice for Chemical Agent Regulations" . Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1.

[cont...]

SAFETY DATA SHEET
21333 FLUORIDE STANDARD SOLUTION 1000PPM

Page: 6

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision. Section 5 was updated.

Section 7.1 was updated.

Section 15 was updated.

Phrases used in s.2 and s.3: EUH032: Contact with acids liberates very toxic gas.

H301: Toxic if swallowed.

H315: Causes skin irritation. H319:

Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.