

8
Safety Data Sheets

Product:

037158

Fluoride Standard (1000 mg/L), 100 mL

Thermo Fisher Scientific
1228 Titan Way
P.O. Box 3603
Sunnyvale, California 94088-3603

Emergency Phone: 1-800-424-9300 (CHEMTREC)
Information Phone: (408) 737-0700
Date Prepared: 12/23/2011

For laboratory use

The following information is believed to be accurate and is currently the best information available to us. However, we make no warranties, express or implied, with respect to the information supplied and we assume no liability resulting from its use.

2. HAZARDOUS IDENTIFICATION

HAZARD CLASS		NFPA	
Not Hazardous			
Eyes:	Not hazardous	HEALTH	0
Skin:	Not hazardous	FLAMMABILITY	0
Ingestion:	Not hazardous	REACTIVITY	0
Inhalation:	Not an inhalation hazardous		

GHS Label Elements:

Caution

Irritant

H320: Causes eye irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Water	Sodium Fluoride
PERCENT (%)	99.8	0.2
CAS NO.	7732-18-5	7681-49-4
EINECS NO.	231-791-2	231-667-8

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4. FIRST AID MEASURES

GENERAL: Remove contaminated clothing, wash thoroughly before reuse.

EYES: Flush with water for at least 15 minutes occasionally raising upper and lower eyelids.

SKIN: Remove contaminated clothing and flush skin with water thoroughly

INHALATION: Move to fresh air

INGESTION: If large amounts are swallowed, get medical help immediately. If patient is conscious, give large quantities of water

5. FIRE FIGHTING MEASURES

Hazardous Combustion Products: Data not available

Extinguishing Media: Data not available

Special Protective Actions For Fire Fighters: Data not available

6. ACCIDENTAL RELEASE MEASURES

Ventilate area.

Wear appropriate protective clothing and eye protection.

Contain spill.

Collect or absorb with an inert material (vermiculite, dry sand, earth, etc.)

Mop up and store in a suitable waste container.

Wash contaminated areas with soap and water.

7. HANDLING AND STORAGE

Ensure good ventilation.

Have an eye wash in the immediate area in case of emergency.

Store at room temperature

Keep container tightly closed

Use good laboratory practice when working with any chemical whether it is considered hazardous or not.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Routes of Entry:

INHALATION: No

SKIN: Yes

INGESTION: Yes

Health Hazards

ACUTE: May cause irritation of eyes and mucous membranes

CHRONIC: Data not available

Ventilation

LOCAL EXHAUST: Good laboratory ventilation is acceptable.

MECHANICAL (GENERAL): Use in hoods if possible

SPECIAL: Data not available

OTHER: Data not available

Protective Clothing Or Equipment

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GLOVES: Disposable nitrile gloves
EYE PROTECTION: Safety glasses or goggles.
RESPIRATORY: Data not available
OTHER: Lab coats

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear
ODOR: None
pH: Data not available
MOLECULAR WEIGHT: Data not available
MELTING POINT: Data not available
BOILING POINT: Approximately 100 degrees C
AUTOIGNITION TEMPERATURE: Data not available
FLASH POINT: Not combustible
LOWER EXPLOSION LIMIT: Data not available
UPPER EXPLOSION LIMIT: Data not available
SPECIFIC GRAVITY: Approximately 1
SOLUBILITY: Data not available
FREEZING POINT: Data not available
EVAPORATION RATE: Data not available
FLAMMABILITY: Not combustible
VAPOR PRESSURE: Data not available
VAPOR DENSITY: Data not available
DECOMPOSITION TEMPERATURE: Data not available
VISCOSITY: Data not available

10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID: Stable
INCOMPATIBILITY (MATERIALS TO AVOID): Water reactive materials
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Data not available
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGY INFORMATION

PRODUCT TOXICOLOGY INFORMATION:

Acute toxicity: Data not available.
Skin corrosion/irritation: Data not available
Serious eye damage/irritation: Data not available
Respiratory or skin sensitization: In case of contact, wash skin with copious amounts of water.
Flush eyes with copious amounts of water for at least 15 minutes.
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Submit to medical examination.
Germ cell mutagenicity: Data not available

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Carcinogenicity: Data not available
Reproductive toxicity: Data not available
STOT-single exposure: Data not available
STOT-repeated exposure; Data not available
Aspiration hazard: Data not available

Likely routes of exposure: Data not available

OSHA PEL: Data not available
NTP: Data not available
IARC Monographs: Data not available
ACGIH TLV TWA: Data not available
OSHA PEL: Data not available
NTP: Data not available
IARC Monographs: Data not available

HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

Hazardous Components:	Sodium Fluoride
RTECS #	WB0350000
OSHA PEL	2.5 PPM F
ACGIH TLV	2.5 MG F/M3; 9192
TOXICITY DATA	ORL-HMN LDLO: 75 MG/KG SKN-MUS LDLO: 300 MG/KG

12. ECOLOGICAL INFORMATION

No information is found on environmental toxicity for this solution

13. DISPOSAL CONSIDERATIONS

Contact local hazardous materials or chemical waste disposal agency for regulations.

14. TRANSPORT INFORMATION

USDOT: Not Regulated

IMO/IMDG : Not Regulated

IATA CLASSIFICATION: Not Regulated

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Not environmentally hazardous

15. REGULATORY INFORMATION

No other regulatory information available

16. OTHER INFORMATION

No changes from previous versions of this document.

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