

Safety Data Sheets

Product:
037157 Combined Five Anion Standard, 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 12/20/2011

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: | Mild Irritant | HEALTH 0 |
| Skin: | Not hazardous | FLAMMABILITY 0 |
| Ingestion: | Not hazardous | REACTIVITY 0 |
| Inhalation: | Not an inhalation hazardous | |

GHS Label Elements: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS COMPONENTS | Water | Sodium Chloride | Sodium Fluoride | Sodium Nitrate | Potassium Phosphate (monobasic) | Disodium Sulfate |
|----------------------|--------------------|--------------------|--------------------|--------------------|---------------------------------|--------------------|
| PERCENT (%) | ≥99.9 | < 0.01 | < 0.01 | 0.01 | 0.02 | 0.02 |
| CAS NO. | 7732-18-5 | 7647-14-5 | 7681-49-4 | 7631-99-4 | 7778-77-0 | 7757-82-6 |
| EINECS NO. | 231-791-2 | 231-598-3 | 231-667-8 | 231-554-3 | 231-913-4 | 231-820-9 |
| RISKS | Data not available | Data not available | Data not available | Data not available | Data not available | Data not available |
| SAFETY | Data not available | Data not available | Data not available | Data not available | Data not available | Data not available |

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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.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Routes of Entry:

INHALATION: No

SKIN: No

INGESTION: No

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

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

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10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Water reactive materials

HAZARDOUS DECOMPOSITION OR Data not available

BY-PRODUCTS:

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

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 Chloride | Sodium Fluoride | Sodium Nitrate | Disodium Sulfate | Potassium Phosphate (monobasic) |
|-----------------------|---|---|--|--|---------------------------------|
| RTECS # | VZ4725000 | WB0350000 | WC5600000 | WE1650000 | 1002090PP |
| OSHA PEL | Data not available | 2.5 PPM F | Data not available | Data not available | Data not available |
| ACGIH TLV | Data not available | 2.5 MG F/M3; 9192 | Data not available | Data not available | Data not available |
| TOXICITY DATA | ORL-HMN TDLO: 12357 MG/KG/23D-C TFX:BPRIPR-MUS LD50: 602 MG/KG | ORL-HMN LDLO: 75 MG/KG SKN-MUS LDLO: 300 MG/KG | ORL-RAT LDLO: 200 MG/KG CYT-HAM:FBR 7500 MG/L/48H | ORL-MUS LD50: 5989 MG/KG IVN-MULDLO: 1220 MG/KG | Data not available |

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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

Not environmentally hazardous

15. REGULATORY INFORMATION

No other regulatory information available

16. OTHER INFORMATION

Constituents of this solution are not in concentrations considered harmful.

No changes from previous versions of this document.

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