



Safety Data Sheet

Extraction Buffer

SDS No. MS-EXTBUF

Section 1. Chemical Product and Company Identification

Product Trade Name: Extraction Buffer
Product code: EXTBUF-0100, EXTBUF-1000
Synonyms: None
Manufactured/ Supplied: Immunalysis Corporation
829 Towne Center Drive
Pomona, CA 91767
1-909-482-0840
Product Information: (888) 664-8378 (In USA and Canada)

Section 2. Hazards Identification

Physical state Liquid

Emergency overview: Irritant

GHS Label Elements:

Hazard Pictograms



Signal Word Warning

Potential acute health effects

Eyes H320 Contact with eyes will cause irritation.

Skin H315 Contact with skin will cause irritation.

Inhalation P261 Avoid breathing vapors or mists. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion H302 Harmful if swallowed.

Potential chronic health effects

Carcinogenic effects Not available

Mutagenic effects Not available

Reproduction toxicity Not available

See toxicological information (section 11)

Section 3. Composition and Information on Ingredients

| Name | CAS number | % by weight | Description |
|---|------------|-------------|-------------|
| Proclin 300 | 96118-96-6 | < 1% | Mixture |
| Sodium Phosphate Monobasic, Monohydrate | 10049-21-5 | < 1% | Substance |
| Dibasic Sodium Phosphate, Heptahydrate | 7558-79-4 | < 1% | Substance |
| Sodium Chloride | 7647-14-5 | < 1% | Substance |
| Water | 7732-18-5 | > 90% | Substance |

Section 4. First Aid Measures

| | |
|---------------------|---|
| Eye contact | P305+P351+P338+P337+P313 If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. |
| Skin contact | P332+P350+P313 If skin irritation occurs: Gently wash with plenty of soap and water. Get medical attention if irritation occurs. |
| Inhalation | P304+P341+P309+P311 P311 If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in position comfortable for breathing. If not breathing, give artificial respiration. If exposed or if you feel unwell, call POISON CENTER or doctor. |
| Ingestion | P301+P330+P331+P314 If swallowed: Rinse mouth and drink plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell. Never give anything by mouth to an unconscious person. |

Section 5. Fire Fighting Measures

| | |
|---|--|
| Flammability of the product | Non-flammable. |
| Fire-fighting media and instructions | Use an extinguishing agent suitable for the surrounding fire. |
| Special protective equipment for fire-fighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| Special remarks on fire Hazards | None |

Section 6. Accidental Release Measures

| | |
|----------------------------------|---|
| Personal precautions | Ensure adequate ventilation. Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). |
| Environmental precautions | No special environmental precautions required. |
| Methods for cleaning up | Absorb spill with absorbent material and dispose of in accordance with local, state and federal regulations. Flush area with water thoroughly. |

Section 7. Handling and Storage

| | |
|-----------------|---|
| Handling | P262+P281 Avoid contact with skin, eyes and clothing. Take necessary personal protective precautions before using this product. |
| Storage | P404+P410 Keep container tightly closed. Store at 2-30°C. Avoid heat and direct sunlight. |

Section 8. Exposure Controls, Personal Protection

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal protection

Eyes Safety glasses or goggles should be worn to prevent eye contact.

Skin Laboratory coat or other protective clothing should be worn to protect against splashes and small spills.

Hands Impervious gloves should be worn to prevent skin contact.

Respiratory None, if ventilation is adequate

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

| | |
|-----------------------------------|--|
| Physical state | Liquid |
| Odor | Odorless |
| Color | Greenish Blue |
| pH | 6.5 |
| Boiling/condensation point | The lowest known value is 99.9°C (211.8°F) (water) |
| Melting/freezing point | Not Available |
| Specific gravity | The only known value is 1 (Water = 1) (Water). |

Section 10. Stability and Reactivity

| | |
|---------------------------------|--|
| Stability and reactivity | The product is stable under normal conditions. |
| Incompatibility | None |

Section 11. Toxicological Information

Toxicity data

| Ingredient Name | Test | Result | Route | Species |
|--|-------------|------------------|--------------|----------------|
| Proclin 300 | LD50 | 500 - 2000 mg/kg | Oral | Rat |
| Sodium Phosphate Monobasic, Monohydrate | LD50 | 12,930 mg/kg | Oral | Rat |
| Dibasic Sodium Phosphate, Heptahydrate | LD50 | 8290 mg/kg | Oral | Rat |
| Sodium Chloride | LD50 | 3000 mg/kg | Oral | Rat |

Chronic Effects None Identified

Section 12. Ecological Information

Ecotoxicity data Not available

**Toxicity of the products of
biodegradation** Not available

Section 13. Disposal Considerations

Waste disposal The generation of waste should be disposed of in accordance with local, state and federal regulations.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification No restrictions

Section 15. Regulatory Information

US Federal

US Federal

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

None

Clean Air Act

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act

None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL or NJ.

California No Significant Risk Level

None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with GHS



Hazard Pictograms:

Signal Word: Warning

Hazard Statements

H317 May cause sensitization by skin contact.

H315+H320 Irritating to eyes and skin.

Prevention and Precautionary Statements

P405 Store locked up, out of reach of children

P261 Do not breathe fumes or vapors.

P302+P350 If on skin: Gently wash with soap and water

P280 Wear protective gloves / protective clothing / eye protections and face protection.

P305+P351 If in eyes: Rinse cautiously with water for several minutes.

P101 If medical advice is needed, have product container or label on hand.

Canada - DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

Section 16. Other information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Immunalysis shall not be liable for any damage resulting from handling or from contact with the above product by untrained personnel. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.