



MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

- Trade Name: Ampdirect® Plus
- Manufacturer: SHIMADZU CORPORATION
Analytical & Measuring Division
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2. COMPOSITION / INFORMATION ON INGREDIENTS

- Chemical characterization:
Tris-HCl ≤5%
KCl ≤5%
MgCl₂ ≤5%

3. HAZARDS IDENTIFICATION

- Hazard description: Not applicable

4. FIRST AID MEASURES

- After contact with eyes:
Rinse opened eyes for 15 minutes under running water. Then take medical treatment.
- After contact with skin:
Immediately wash with water.
- After inhalation:
Blow your nose and gargle immediately. Then move into fresh air and keep calm.
- After ingestion:
Drink a large amount of water. Then take medical treatment.

5. FIRE FIGHTING MEASURES

- Extinguishing agents:
Water spray
Dry powder
Carbon Dioxide

6. ACCIDENTAL RELEASE MEASURES

- Measures for cleaning/collecting:
Gather and store in a vacant container as much as possible for reclamation or later disposal. Residue should be clean up by a mop.

7. HANDLING AND STORAGE

- Handling: Avoid contacting with eyes and skin.
- Storage: -20°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal Protective Equipment:
 - For eyes: Safety goggles
 - For hands: Appropriate gloves
 - For skin and body: Appropriate apron and jacket

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: Liquid solution
- Color: Colorless
- Boiling point: 100°C
- Melting point: 0°C
- Solubility in water: Fully miscible
- Volatiles: Undetermined
- Vapor pressure: Undetermined
- Specific gravity: Undetermined

10. STABILITY AND REACTIVITY

- Flash point: Not applicable
- Ignition temperature: Not applicable
- Ignitability: None
- Oxidation reactivity: None
- Self-reactivity explosion: None
- Dust explosion: None

11. TOXICOLOGICAL INFORMATION

- Corrosivity: Not tested
- Irritation (skin, eyes): Not tested
- Acute toxicity: Not tested
- Subacute toxicity: Not tested
- Chronic toxicity: Not tested
- Cancerous: Not tested
- Mutagenicity: Not tested
- Sensitization: Not tested
- Reproductive toxicity: Not tested
- Teratogenicity: Not tested

12. ECOLOGICAL INFORMATION

- Fish toxicity: Not tested
- Degradative: Not tested
- Accumulative: Not tested

13. DISPOSAL CONSIDERATIONS

- Dispose of with a large amount of water.

14. TRANSPORT INFORMATION

- Avoid falling not to damage the container.

15. REGULATIONS

- Japan None of the ingredients is listed

* This information is based on our present knowledge, and presented as reference information for safety use. Therefore, this shall not constitute a guarantee for any specific product features.

* This product may present unknown hazards and should be used with caution.