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SAFETY DATA SHEET

PRODUCT

Ammonia Electrode Filling Solution
0.1M NH₄Cl

PART NUMBER

551-58

SECTION I – GENERAL

Chemical Name & Synonyms
Trade Name & Synonyms
Chemical Family
Formula

Ammonium Chloride, Water
Ammonia ISE Electrode Filling Solution
Aqueous Salt Solution
See Below

SECTION II – INGREDIENTS

Ammonium Chloride (CAS 1215-02-9) 0.1M
Water

SECTION III – PHYSICAL AND CHEMICAL DATA

Boiling Point (Deg. C)	No data available
Vapour Pressure (mmHg) @ 20°C	No data available
Vapour Density (Air = 1)	No data available
Specific Gravity (H ₂ O = 1)	0.995
% Volatile by Volume	99.5%
Evaporation Rate (H ₂ O = 1)	1
Solubility in Water	Aqueous Solution
Appearance	Colourless Solution
Odour	None

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flammable Limits (%)	Not Applicable
-LEL	Not Applicable
-UEL	Not Applicable
Flash Point (Method Used)	Not Flammable
Extinguishing Media	Not Applicable
Special Fire-Fighting Procedures	Not Applicable
Unusual Fire & Explosion Hazards	Not Applicable

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Registered Office: Unit 6-7 Crittall Court, Crittall Drive, Springwood Industrial Estate,
Braintree, Essex, CM7 2SE

Registered in England No. 2753857



BS EN ISO 9001:2015
Certificate No. FM 36099

SECTION V – HEALTH HAZARD DATA

Route of Entry	Primary route of entry is ingestion
Carcinogenic Assessment	This material has not been identified as a known or suspect carcinogen by IARC
Threshold Limit Value	None
Effects of Overexposure	Large doses by mouth can cause GI irritation - Consult Physician
Emergency & First Aid Procedures	Consult Physician

SECTION VI – REACTIVITY DATA

Stability	Stable
Incompatibility (materials to avoid)	Strong acids, Strong bases, Strong oxidizing agents
Hazardous Decomposition Products	None
Hazardous Polymerization	Will Not Occur

SECTION VII – SPILL OR LEAK PROCEDURE

Steps to be Taken in case Material is Released or Spilled	Clean up spills with absorbent material, flush with water
Waste Disposal Method	Ensure compliance with Local, State and Federal Regulations

SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiratory Protection	Not Required
Ventilation	No Special Requirement
Protective Gloves	Not Required
Eye Protection	Safety Glasses Suggested
Other Protective Equipment	None

SECTION IX – SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing	No Special Requirement
Other Precautions	None
Date of Last Revision	30/01/2018