SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name: Sodium Acetate Solution, pH 5.2
Biotechnology Grade

Catalogue Number: 1151

Other means of identification: Not available

Recommended use of the chemical and restrictions on use:
For R&D use only. Not for pharmaceutical, household or other uses.

Supplier Information:

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SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification
Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

Other Hazards - None

SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identity:	Sodium Acetate, Anhydrous
Synonyms:	Sodium Ethanoate Anhydrous Acetic Acid Sodium Salt Ethanoic Acid Sodium Salt
Molecular Formula:	CH_3COONa
Molecular Weight:	82.03 g/mol
CAS No.:	127-09-3
EC No.:	204-823-8

SECTION 4 – FIRST-AID MEASURES

Eye Contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact
Immediately wash skin thoroughly with soap and copious amounts of water. Consult a physician.

Inhalation
Remove to fresh air. If not breathing, give artificial respiration or if breathing is difficult, give oxygen.

Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed
Abdominal pain, Nausea, Vomiting.

Indication of immediate medical attention and special treatment needed
Data not available.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media
Use water spray, CO_2, dry chemical powder or alcohol-resistant foam.

Special hazards arising from the substance or mixture
Carbon oxides, Sodium oxides

Special Fire-fighting Procedures
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions
Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste, observing precautions in the safety data sheet and label. Dispose into a chemical waste container.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling
Use with adequate ventilation as necessary or desired. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Follow all SDS/ label precautions. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities
Store in tightly closed container in a cool, dry and well-ventilated area.

SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits
We are not aware of any national exposure limit.

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice.
Use process enclosures, local exhaust ventilation, or other engineering controls as needed.

Eye/ Face Protection
Safety glasses with side-shields tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Where contact with the eyes is likely, use chemical goggles.

Skin/ Hand Protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body protection
Impervious clothing. Type of protective equipment must be selected based on the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection
Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineer protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Do not let product enter drains.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

a)	**Appearance**	Clear Solution
b)	**Odour**	Odourless
c)	**Odour Threshold**	Not available
d)	**pH**	5.0 – 5.4 at 25 °C
e)	**Melting/freezing point**	Not available
f)	**Initial boiling point and boiling range**	Not available
g)	**Flash point**	Not available

h)	**Evaporation rate**	Not available
i)	**Flammability (solid, gas)**	Not available
j)	**Upper/lower flammability or explosive limits**	Not available
k)	**Vapour pressure (mm Hg)**	Not available
l)	**Vapour density**	Not available
m)	**Relative density**	Not available
n)	**Solubility (ies)**	Soluble
o)	**Partition coefficient: n-octanol/water**	Not available
p)	**Autoignition temperature**	Not available
q)	**Decomposition temperature**	Not available
r)	**Viscosity**	Not available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity
Data not available.

Chemical stability:
Data not available.

Possibility of hazardous reactions
Data not available.

Conditions to avoid
Data not available.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sodium oxides

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity
Data not available.

Skin Corrosion/Irritation
Data not available.

Serious Eye Damage/Eye Irritation
Data not available.

Respiratory or skin sensitization
Data not available.
Germ cell mutagenicity
Data not available.

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
Data not available.

Specific target organ toxicity - single exposure
Data not available.

Specific target organ toxicity - repeated exposure
Data not available.

Aspiration hazard
Data not available.

Other information
RTECS: Data not available.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity
Data not available

Persistence and degradability
Data not available

Bioaccumulative potential
Data not available.

Mobility in soil
Data not available.

Other adverse effect
Data not available

SECTION 13 – DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging
Dispose off as unused product.

SECTION 14 – TRANSPORT INFORMATION

UN Number

ADR/RID: - IMDG: - IATA-DGR: -

UN Proper Shipping Name:

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA-DGR: Not dangerous goods

Transport Hazard Class(es)

ADR/RID: - IMDG: - IATA-DGR: -

Packing Group

ADR/RID: - IMDG: - IATA-DGR: -

Environmental Hazards

ADR/RID: no IMDG: marine pollutant: no IATA-DGR: no

Special Precaution for Users

Data not available

SECTION 15 – REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Data not available

SECTION 16 – OTHER INFORMATION

Date of Issue: JULY 11, 2008 **Date of Revision:** FEBRUARY 23, 2022

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. Axil Scientific Pte Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.