

**MATERIAL SAFETY DATA SHEET**

**VIVANTIS TECHNOLOGIES SDN BHD  
REVONGEN CORPORATION CENTER**

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**SECTION 1: CHEMICAL IDENTIFICATION**

Catalogue Number: PB0461-500ML

Product Name: 3M Sodium Acetate, pH5.2

**Intended Use:**

For research use only. Not for use in diagnostic procedures.

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**Company Manufacturing:**

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**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	EC No.	%
Acetate, sodium	127-09-3	204-823-8	35-40
Water	7732-18-5	231-791-2	60-65

See actual entry in RTECS for complete information.

**SECTION 3: HAZARDS IDENTIFICATION**

**WHMIS Classification**

Not WHMIS controlled.

**GHS Classification**

Not a hazardous substance or mixture according to Singapore Standard SS 586 Part 2.

**HMIS Classification**

Health hazard: 0  
 Flammability: 0  
 Physical hazards: 0

**Potential Health Effects**

In case of inhalation, may be harmful and cause respiratory tract irritation.  
 In case of skin contact, may be harmful and cause skin irritation.  
 In case of eye contact, may cause eye irritation.  
 In case of ingestion, may be harmful.

**SECTION 4: FIRST-AID MEASURES**

In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
 In case of skin contact, wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.  
 In case of inhalation, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.  
 In case of ingestion, wash mouth with water and consult a physician.

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**SECTION 5: FIRE FIGHTING MEASURES**

Not flammable.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use dry chemical, carbon dioxide, water spray or regular foam.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and fully protective gear.

Hazardous decomposition products formed under fire conditions: Carbon oxides.

Flash point:	Not determined.
Explosion data – sensitivity to mechanical impact:	Not sensitive.
Explosion data – sensitivity to static discharge:	Not sensitive.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

For personal protection, wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

For containment, prevent further leakage or spillage if safe to do so.

For cleaning up, sweep up and place in closed containers for disposal. Avoid dust formation. Ventilate area and wash spill site after material pickup is complete.

**SECTION 7: HANDLING AND STORAGE**

Handle in accordance with good industrial hygiene and safety practice.

Keep container tightly closed in a dry, cool and well-ventilated place. Protect from moisture.

Incompatible with strong oxidizing agents.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eye/Face Protection	Safety glasses with side-shields.
Skin and Body Protection	Wear protective gloves/clothing
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA Approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

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Use engineering measures such as showers, eyewash stations and ventilation systems. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear/Colorless
Physical state:	Liquid
Odor:	No information available
Odor threshold:	No information available
Density:	No information available
pH:	pH 5.2
Melting point:	No information available
Freezing point:	No information available
Initial Boiling point:	No information available
Boiling point:	No information available
Flash point:	Not applicable
Autoignition temperature:	No data available
Decomposition temperature:	No information available
Upper Flammability limit in air:	No data available
Lower Flammability limit in air:	No data available
Explosive properties:	No information available
Oxidizing properties:	No information available
Solubility:	Soluble in water
Partition coefficient (n-octanol/water):	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Evaporation rate:	No data available
Specific gravity:	No data available
Viscosity:	No information available

## SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Materials to avoid:	Strong oxidizing agents.
Hazardous decomposition products:	Carbon oxides, sodium oxides.
Hazardous polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	Protect from moisture.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

Oral LD50:	No data available
Inhalation LC50:	No data available
Dermal LD50:	No data available
Other information on acute toxicity:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Reproductive toxicity:	No data available
Teratogenicity:	No data available
Aspiration hazard:	No data available
Synergistic effects:	No data available
STOT – single exposure:	No data available
STOT – repeated exposure:	No data available

### Carcinogenicity

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

### Potential health effects:

Inhalation	May be harmful and may cause respiratory tract irritation.
Ingestion	May be harmful.
Skin	May be harmful and may cause skin irritation.
Eyes	May cause eye irritation.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

RTECS: AJ4580000

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose waste material in accordance with federal, state and local environmental regulations.  
For contaminated packaging, dispose as waste material.

## **SECTION 14: TRANSPORT INFORMATION**

### **DOT (US)**

Not regulated

### **IATA**

Not regulated

## **SECTION 15: REGULATORY INFORMATION**

### **Canada Regulatory Information**

#### **WHMIS Classification**

Not WHMIS controlled.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## **SECTION 16: OTHER INFORMATION**

The information contained in this MSDS relates only to the material(s) designed and does not relate to use(s) in combination with any other material, process(es) and /or chemical reaction(s). Vivantis Technologies Sdn. Bhd. provides this information in good faith, from sources believed to be accurate; however, Vivantis assumes no liability for its accuracy or completeness, and thus shall not be held liable for any damage resulting from handling or from contact with the above product.

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