MATERIAL SAFETY DATA SHEET 3M Sodium Acetate, pH 4.8 Solution

1. Product And Company Identification

Teknova Inc. 2290 Bert Dr. Hollister, Ca 95023

Telephone Number: 831-637-1100

Emergency Contacts/Telephone Numbers

Chemtrec Emergency Phone Number: (800) 424-9300

Issue Date: 09/15/2009 Catalog Number: S0396

Product Name: 3M Sodium Acetate, pH 4.8 Solution

2. Composition/Information On Ingredients		
Ingredients	Cas Number	Sara #:
Sodium Acetate	127-09-3	N/A

3. Hazards Identification

Hmis Rating Health: 1 Flammability: 1 Reactivity: 0

Nfpa Rating: Health: 1 Flammability: 1 Reactivity: 0

REFER TO SECTION 11 FOR MORE INFORMATION.

4. First Aid Measures

Eye

In Case Of Contact, Immediately Flush Eyes With Copious Amounts Of Water For At Least 15 Minutes. Assure Adequate Flushing By Separating The Eyelids With Fingers. Call A Physician.

Skin

In Case Of Contact, Immediately Wash Skin With Soap And Copious Amounts Of Water. Wash Contaminated Clothing Before Reuse.

Inhalation

If Inhaled, Remove To Fresh Air. If Not Breathing Give Artificial Respiration. If Breathing Is Difficult, Give Oxygen.

Ingestion

If Swallowed, Wash Out Mouth With Water Provided Person Is Conscious. Call A Physician.

5. Fire Fighting Measures

Flammable Properties

Flash Point > 250 °C (> 482 °F) - Closed Cup Ignition Temperature 600 °C (1,112 °F)

Suitable Extinguishing Media

Use Water Spray, Alcohol-Resistant Foam, Dry Chemical Or Carbon Dioxide.

Special Protective Equipment For Fire-Fighters

Wear Self Contained Breathing Apparatus For Fire Fighting If Necessary.

6. Accidental Release Measures

Personal Precautions

Avoid Dust Formation.

Environmental Precautions

Do Not Let Product Enter Drains.

Methods For Cleaning Up

Sweep Up And Shovel. Keep In Suitable, Closed Containers For Disposal.

7. Handling And Storage

Handling

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Provide Appropriate Exhaust Ventilation At Places Where Dust Is Formed. Normal Measures For Preventive Fire Protection.

Storage

Keep Container Tightly Closed In A Dry And Well-Ventilated Place.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS

Safety Shower And Eye Bath. Mechanical Exhaust Required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use Respirators And Components Tested And Approved Under Appropriate Government Standards Such As NIOSH (US) Or CEN (EU). Respiratory Protection Is Not Required. Where Protection Is Desired, Use Multi-Purpose Combination (US) Or Type ABEK (EN 14387) Respirator Cartridges.

Hand: Protective Gloves. Eve: Chemical Safety Goggles. **GENERAL HYGIENE MEASURES** Wash Thoroughly After Handling.

9. Physical And Chemical Properties

Appearance And Physical Properties: Solid

Safety Data:

Ph 8.5 - 9.9 At 246 G/L At 25 °C (77 °F)

Melting Point 300 °C (572 °F)

Boiling Point No Data Available

Flash Point > 250 °C (> 482 °F) - Closed Cup

Ignition Temperature 600 °C (1,112 °F)

Lower Explosion Limit No Data Available

Upper Explosion Limit No Data Available

Density 1.528 G/Cm3

Water Solubility 246 G/L At 20 °C (68 °F) - Completely Soluble

Partition Coefficient: N-Octanol/Water Log Pow: -4.22

10. Stability And Reactivity

Storage Stability

Stable Under Recommended Storage Conditions.

Conditions To Avoid

Exposure To Moisture.

Materials To Avoid

Strong Oxidizing Agents

Hazardous Decomposition Products

Hazardous Decomposition Products Formed Under Fire Conditions.

Carbon Oxides, Sodium/Sodium Oxides

11. Toxicological Information

Acute Toxicity

LD50 Oral - Rat - 3,530 Mg/Kg

LC50 Inhalation - Rat - 1 H - > 30,000 Mg/M3

LD50 Dermal - Rabbit - > 10,000 Mg/Kg

Irritation And Corrosion

Skin - Rabbit - Mild Skin Irritation - 24 H

Eyes - Rabbit - Mild Eye Irritation

Sensitization

N/A

Chronic Exposure

N/A **ROUTE OF EXPOSURE**

Skin Contact: May Cause Skin Irritation.

Skin Absorption: May Be Harmful If Absorbed Through The Skin.

Eve Contact: May Cause Eve Irritation.

Inhalation: Material May Be Irritating To Mucous Membranes And Upper Respiratory Tract. May Be Harmful If Inhaled.

Ingestion: May Be Harmful If Swallowed. **Signs And Symptoms Of Exposure**

Abdominal Pain, Nausea, Vomiting

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12. Ecological Information

Elimination Information

Biodegradability Result: 99 % - Readily Biodegradable.

E Cotoxicity Effects

Toxicity To Fish LC50 - Pimephales Promelas (Fathead Minnow) - 13,330 Mg/L - 120 H

LC50 - Lepomis Macrochirus (Bluegill) - 5,000 Mg/L - 24 H

Toxicity To Daphnia

And Other Aquatic

Invertebrates.

EC50 - Daphnia Magna (Water Flea) - > 1,000 Mg/L - 48 H

Further Information On Ecology

N/A

13. Disposal Considerations

Dispose Of Any Unused Material. Observe All Federal, State And Local Environmental Regulations.

14. Transport Information

Dot

Proper Shipping Name: None

Non-Hazardous For Transport: This Substance Is Considered To Be Non-Hazardous For Transport.

Iata

Non-Hazardous For Aid Transport: Non-Hazardous For Air.

15. Regulatory Information

United States Regulatory Information

Sara Listed: No

Canada Regulatory Information

Whmis Classification: This Product Has Been Classified In Accordance With The Hazard Criteria Of The Cpr, And The Msds

Contains All The Information Required By The Cpr.

Dsl: No Ndsl: No

16. Other Information

Disclaimer

For R&D Use Only. Not For Drug, Household Or Other Uses.

Warranty

The Above Information Is Believed To Be Correct But Does Not Purport To

Be All Inclusive And Shall Be Used Only As A Guide. Teknova, Inc. Shall Not Be Held Liable For Any Damage Resulting From Handling Or From Contact With The Above Product.

Teknova, Inc.