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MSDS  
NIACET  
SODIUM DIACETATE

Issued: January 2008

EMERGENCY PHONE NUMBER: (800) 424 9300, (202) 483-7616

# MATERIAL SAFETY DATA SHEET

## SODIUM DIACETATE

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### SECTION I - PRODUCT IDENTIFICATION

Product Name: NIACET Sodium Diacetate  
Chemical Synonyms: SD, SDA  
Chemical Family: organic acid, sodium salt  
Chemical Formula:  $C_4H_7O_4Na$

### SECTION II - INGREDIENTS

|                  | <u>% by wt.</u> | <u>CAS #</u> |
|------------------|-----------------|--------------|
| Sodium Diacetate | 99              | 126-96-5     |
| Water            | 0.7 max         | 7732-18-5    |

### SECTION III - PHYSICAL DATA

|                      |                |                      |                           |
|----------------------|----------------|----------------------|---------------------------|
| Molecular Weight:    | 142.09         | Appearance:          | white powder, or granules |
| pH of 10% Aq Soln:   | 4.5-5.0        | Odor:                | vinegar odor              |
| Melting Point:       | 328 °C         | Boiling Point:       | not applicable            |
| Vapor Pressure:      | not applicable | Bulk Density:        | approx. 55 lbs./cu. ft.   |
| Solubility in Water: | 40% at 20°C    | Reactivity in Water: | does not react            |

### SECTION IV - FIRE & EXPLOSION HAZARD

Flash Point: None by Tag Closed Cup  
Flammable Limits: Not Determined      Auto-Ignition Temperature: Not Applicable  
Unusual Hazards: Avoid dispersion of dust.  
Extinguishing Media: Appropriate media for surrounding fire.

### SECTION V - REACTIVITY DATA

Hazardous Decomposition Products: Carbon monoxide  
Hazardous Polymerization: Will not occur.  
Incompatibility: Strong oxidizing agents

### SECTION VI - TOXICITY DATA

**Sodium Diacetate is a non-toxic food chemical.**

Occupational Exposure: No exposure limits have been set by OSHA, NIOSH or ACGIH.  
Carcinogen: IARC: NO, NTP: NO, OSHA: NO

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## **SECTION VII - HEALTH HAZARD INFORMATION**

### Primary Routes of Exposure:

Ingestion: Drink milk or take antacids to reduce acidity. Get medical attention, if irritation persists.  
Eye Contact: Flush with water for at least 15 minutes, hold eyelids open. Seek medical attention if necessary.  
Skin Contact: Wash area with soap and water. Seek medical attention if irritation persists.  
Inhalation: Remove to fresh air. Seek medical attention if irritation persists

Effects of Overexposure: Dust causes irritation of eyes, nose and throat.

Medical Conditions Aggravated by Exposure: None identified. Handle with reasonable care.

## **SECTION VIII - EMPLOYEE PROTECTION**

Protective Clothing: Appropriate work apparel. Plastic or rubber gloves.  
Eye Protection: Safety glasses should always be worn when working with chemicals.  
Respiratory Protection: Material should be handled in a manner that does not produce airborne particles. If dust is a problem a dust mask or respirator is recommended.

## **SECTION IX - SPILL AND DISPOSAL PROCEDURES**

### Action to be Taken for Spills:

Wear suitable protective clothing including a respirator or dust mask. Sweep up spillage and collect for disposal. Wash down area with large quantities of water.

### Disposal Methods:

Material is biodegradable. Dispose of in accordance with applicable Federal, state and local regulations.

## **SECTION X- OTHER REGULATORY CONTROLS**

|                                 |                       |
|---------------------------------|-----------------------|
| TSCA Inventory:                 | YES (all ingredients) |
| OSHA Hazard:                    | NO                    |
| Regulated under RECRA:          | NO                    |
| Regulated under CERCLA:         | NO                    |
| Regulated under SARA Title III: | NO                    |

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The information herein is given in good faith and believed to be accurate and has been compiled from sources believed to be reliable. Buyer assumes all risk of use, storage and handling of this product in compliance with applicable federal, state, and local laws and regulations.