

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	Diacta-Pack / Diactagen
Substance name	Acidifier / Acetic acid, Sodium Acetate, sodium salt blend
Chemical nature	Solid white powder
Manufacturer / Blender or supplier's details	
Company	H & S Corporation 3320 Highway 64 East P.O. Box 56 Alma, Arkansas 72921
Telephone	1+800-264-0323
Fax	1-479-632-3143
E-mail address	<a href="mailto:products@h-scorporation.com">products@h-scorporation.com</a>
Emergency Phone #	CHEMTREC 1-800-424-9300

**Recommended use of the chemical(s) and restrictions on use**

Recommended use	Acidifier / feedstuff additives, industrial use
Restrictions on use	Reserved for industrial and professional use

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Serious eye damage/eye Irritation Category 1 (eye-retina)

**GHS- Labelling - Label elements**

Hazard pictograms



Signal word Danger

Hazard statements May form combustible dust concentrations in air. If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

H318 Causes serious eye damage.

## Precautionary statements

**Prevention:**

P243 Take action to prevent static discharges.

P264 Wash the contact area thoroughly after handling

P280 Wear eye protection / face protection.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Disposal:**

P501 Dispose of contents / container to an approved incineration Plant

**Advice: This product is not considered to be persistent, Bio-accumulating nor toxic (PBT).**

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance /Mixture / Blend**

Chemical Name	CAS-No.	Concentration (%)
Sodium hydrogen acetate	126-96-5	100
Sodium acid acetate		

**SECTION 4. FIRST AID MEASURES****First aid procedures**

Protection of first -aiders	No hazards which require special first aid measures.
If inhaled	If breathed in, move person into fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
In case of skin contact	Flush skin with large amounts of water. If irritation develops and persists, get medical attention.
In case of eye contact	If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
If swallowed	Drink plenty of water. If swallowed, <b>DO NOT</b> induce vomiting.
<b>Notes to physician</b>	
Symptoms	Eye irritation may cause mild and mechanical irritation and thus Symptoms which would be redness and pain.
Risks	Causes serious eye irritation.
Treatment	Symptomatic treatment

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**SECTION 5. FIREFIGHTING MEASURES****Fire fighting**

Suitable extinguishing media    Water spray jet  
Dry powder  
Foam  
Carbon dioxide (CO<sub>2</sub>)

Further information                Exposure to decomposition products may be a hazard to health.  
Fire residues and contaminated fire extinguishing water must be  
Disposed of in accordance with local regulations.

**Protective equipment and precautions for firefighters**

Specific hazards during            Do not use a solid water stream as it may scatter and spread fire.  
firefighting                         Hazardous decomposition products formed under fire conditions.  
Exposure to decomposition products may be a hazard to health.

Special protective                 Wear self-contained breathing apparatus for firefighting if  
equipment for firefighting        necessary.  
Wear fire resistant or flame retardant clothing.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions,            Avoid dust formation.  
protective equipment and        Avoid breathing dust.  
emergency procedures            Ensure adequate ventilation, especially in confined areas.  
Refer to protective measures listed in sections 7 and 8.

Environmental precautions        Prevent further leakage or spillage if safe to do so.  
No special environmental precautions required.

Methods and materials for        Use mechanical handling equipment.  
containment and clean up        Keep in suitable, closed containers for disposal.  
Clean contaminated surface thoroughly.  
Sections 13 and 15 of this SDS provide information regarding  
certain local or national requirements.

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**SECTION 7. HANDLING AND STORAGE****Handling**

Advice on safe handling            If small particles are generated during further processing,  
handling or by other means, may form combustible dust  
concentrations in air.  
Avoid creating dust.  
Do not breathe dust.  
Avoid contact with skin and eyes.

For personal protection see section 8

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Advice on protection against fire and explosion      Normal measures for preventive fire protection.

**Storage**

Keep tightly closed in a dry cool place.  
Keep in original container.

Materials to avoid                      Avoid Acids, Bases, Oxidizing agents.

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

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**Exposure Limit Values**              Contains no substances with occupational exposure limit values.

**Engineering measures**              Provide adequate ventilation.

**Personal protective equipment**

Respiratory protection              In the case of dust use respirator with an approved filter.  
Use NIOSH approved respiratory protection.

Hand protection                      Glove material: PVC  
Glove material: Rubber

Eye Protection                      Tightly fitting goggles or full face shield.

Skin and body protection              Protective work clothing.

Hygiene measures                      Handle in accordance with good industrial hygiene and safely practice.  
Remove contaminated clothing and protective equipment before  
Entering eating areas. Wash hands before breaks and  
immediately after handling product.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance	crystalline, solid powder
Color	White
Odor	Vinegar / mild acetic acid
pH	3.7 - 4.7 (10%) as aqueous solution.
Melting point/range	328°C
Bulk density	750-850 kg/m3 (25°C)
Solubility(ies) water	570 g/l (20°C)

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Ignition Temperature	>600°C The product is not flammable. Method DIN 51794
Oxidizing properties	No data available
Molecular weight	142.09 g/mol

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## SECTION 10. STABILITY AND REACTIVITY

Reactivity	No decomposition if stored and applied as directed
Chemical stability	Stable under normal conditions.
Possibility of hazardous Reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Stable under normal conditions. The product is hygroscopic.
Incompatible materials	Strong bases, Oxidizing agents.
Hazardous decomposition	Carbon oxides (Cox) Acetic acid.

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Sodium hydrogen di(acetate)	LD50 Oral Rat: $\geq 5,560$ mg/kg Remarks: No adverse effect has been observed in acute toxicity test.
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### Skin corrosion/irritation

Sodium hydrogen di(acetate)	Species: Rat Exposure time: 72 h Result: No skin irritation Classification: No skin irritation Method: OECD Test Guideline 404 GLP: yes
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### Serious eye damage/eye irritation

Sodium hydrogen di(acetate)	Species: Rat. Exposure time: 21d Result: Irreversible effects on the eye. Classification: Risk of serious damage to eyes. Method: OECD Test Guideline 405 GLP: yes Remarks: Severe eye irritation.
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### Respiratory or skin sensitisation

Reproductive toxicity	No data available
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**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration toxicity**

No data available

**Further information**

Sodium hydrogen di(acetate)      Remarks: According to concentration, aqueous solution causes irritation or burns of eyes, skin and mucous membranes.

**Potential Health Effects**

Eyes      May cause eye irritation.

Aggravated Medical Condition      None known

Symptoms of Overexposure      Eye irritation may cause mild and mechanical irritation and thus symptoms which would be redness and pain.

**Experience with human exposure**

Inhalation      Respiratory system: No information available.

Skin contact      May cause skin irritation in susceptible persons.

Eye contact      Eye irritation, burning or stinging of the eye, Redness.

Ingestion      Digestive organs: No information available.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Sodium hydrogen di(acetate)  
Toxicity to fish      (Leuciscus idus (Golden orfe): 410 mg/l.  
Test substance: Non neutralized product.

Toxicity to algae      No data available.

Toxicity to bacteria      No data available.

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**Persistence and degradability**

Sodium hydrogen di(acetate)

Biodegradability

Zahn-Wellens Test

Biodegradation: &gt;90%

Exposure time: 2 d

Method: OCECD Test Guideline 302

Remarks: Readily biodegradable, according to appropriate OECD Test.

Readily biodegradable.

**Bioaccumulative potential**

Sodium hydrogen di(acetate)

Partition coefficient:

n-octanol/water

Not Applicable

Remarks: The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.

**Mobility in soil**

Sodium hydrogen di(acetate)

Mobility

No data available

Distribution among

No data available

environmental compartments

**Other adverse effects**

No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues

When possible recycling is preferred to disposal or incineration. Can be landfilled or incinerated, when in compliance with local Regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling Site for recycling or disposal. Dispose of as unused product.

**SECTION 14. TRANSPORT INFORMATION****DOT**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**SECTION 15. REGULATORY INFORMATION**

<b>OSHA Hazards</b>	CAUSES EYE BURNS
<b>CERCLA Reportable Quantity</b>	This material does not contain any components with a CERCLA RQ.
<b>SARA 304 Extremely Hazardous Substances Reportable Quantity</b>	This material does not contain any components with a section 304 EHS RQ.
<b>SARA 302</b>	No chemicals in this material are subject to the reporting Requirements of SARA Title III, Section 302.
<b>SARA 313</b>	This material does not contain any chemical components With known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
<b>California Prop 65</b>	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**SECTION 16. OTHER INFORMATION**

**Further information**

This information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.