

MATERIAL SAFETY DATA SHEET

Page 1 of 2

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Section I. PRODUCT IDENTIFICATION

PRODUCT NAME: VINEGAR PACK

Chemical Name: Sodium Diacetate, Tannic Acid

Section II. HAZARDS IDENTIFICATION

Emergency Overview	Tan, soluble, hygroscopic powder with vinery aroma and taste.
Most important Hazard	Causes Eye and Skin Irritation. Possible dust explosion hazard.
Inhalation	Dust may cause irritation of mucous membrane and respiratory tract.
Eye contact	May cause severe irritation, burns and damage to cornea.
Skin contact	May cause severe irritation and burns
Ingestion	May cause severe burns to mouth, throat and gastrointestinal tract.
Chronic	Prolonged and repeated contact may cause sensitization.
Carcinogen status	None

Section III. FIRST AID MEASURES

General Advice	In case of contact, immediately flush with plenty of water. If irritation persists, consult a physician.
Major effects of exposure	Irritating eyes and skin
Inhalation	Move to fresh air. If symptoms persist; call a physician.
Skin contact	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water and seek medical advice. If eye irritation persists; call a specialist.
Ingestion	Drink plenty of water. Do not induce vomiting. Consult a physician if necessary.
Protection of first-aiders	Use personal protective equipment.

Section IV. FIRE FIGHTING MEASURES

Flashpoint	not available
Flammable limits	not available
Auto ignition temperature	not available
Special precautions	Possible dust explosion.
Suitable extinguishing media	Water, water spray, dry powder, carbon dioxide (CO ₂), foam

Extinguishing media, which must not be used for safety reasons	None
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Hazardous decomposition products	Carbon dioxides and acid fumes.
Special protective equipment for firefighters	Use personal protective equipment
Specific methods	Standard procedure for chemical fires. Cool Containers exposed to flame with water spray.

SECTION V. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use NIOSH approved dust respirator and full protective clothing
Environmental precautions	Keep out of sewers and natural waterways.
Methods for cleaning up	Sweep up and shovel. After cleaning, flush away traces with water.

SECTION VI. HANDLING AND STORAGE

Page 2 of 2
VINEGAR PACK

Handling	
Technical measures/Precautions	Take precautionary measures against static discharges. Avoid dust information.
Safe handling advice	Do not get in eyes, on skin or clothing. Do not breathe dust, mist or vapors. Use personal protective equipment. Wash thoroughly after handling.
Storage	
Technical measures/Storage conditions	No special storage conditions required. Keep tightly closed in a dry and cool place.
Incompatible products	No special restrictions on storage with other products
Packaging material	Store in original container.

Section VII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation, especially in confined areas. Avoid dust information.
Exposure limit(s)	None
Personal protection equipment	
Respiratory protection	Effective dust mask
Hand protection	Impervious gloves
Eye protection	Splash proof goggles
Skin and body protection	Full body covering lightweight protective clothing
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

SECTION VIII. PHYSICAL AND CHEMICAL PROPERTIES

Form	powder
Color	Tan/colorless
Odor	of vinegar
pH (1% Solution)	approx. 3.8
Melting point/range	328-330°C
Decomposition temperature	400°C
Auto ignition temperature	no data available
Explosive properties	no data available
vapor pressure	unknown
vapor density	unknown
boiling point	no data available
relative density	unknown
Bulk density powder	820+-50 kg/m ³
explosive properties	unknown

SECTION IX. STABILITY AND REACTIVITY

Stability	Stable at normal conditions
Conditions to avoid	Keep containers dry and tightly closed to avoid moisture absorption and contamination.
Materials to avoid	Incompatible with strong bases and oxidizing agents.
Hazardous decomposition products	No decomposition of stored normally. Thermal decomposition can lead to release of irritating gases and vapors.

SECTION X: TOXICOLOGICAL INFORMATION

Acute toxicity (for Citric Acid)	LD50/oral/rat = 4.960 mg/kg (neutral) LD50/oral/mouse = 3.310 mg/kg (neutral)
Local effects	May cause eye/skin irritation
Chronic toxicity	no data available
Human experience	Health injuries are not known or expected under normal use.

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