Material Safety Data Sheets

Revision 2

1. IDENTIFICATION

Product Name	**Sodium Acetate Anhydrous**
Other Names	Acetic Acid, Sodium Salt; Sodium Acetate
Code No	No Data Available
Uses	Food additive, Pharmaceuticals, Catalyst, Detergent additive, Preservative.
Chemical Family	No Data Available
Chemical Formula	$C_2H_3O_2.Na$
Chemical Name	Sodium Acetate Anhydrous
Product Description	No Data Available
Company	Arman sina.co
Contact Information	info@armansina.com www.armansina.com

2. HAZARD IDENTIFICATION

Hazard Statements	irritant
Precautionary Statements	Wash skin thoroughly after handling Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs: Get medical advice/ attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Symbol

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Sodium Acetate Anhydrous	$C_2H_3O_2.Na$	127-09-3	99.0 - 100.0 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	**Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention.**
Eye	**rinse immediately with plenty, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rising. If eye irritation persists get medical advice/attention.**
Skin	**Wash thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.**
Inhaled	**If breathed in, move person into fresh air. Keep at rest in a position comfortable for breathing. Consult a physician if you feel unwell.**
Advice to Doctor	**Treat symptomatically based on judgement of doctor and individual reactions of patient.**
Medical Conditions Aggravated by Exposure	**No information available on medical conditions aggravated by exposure to this product.**

5. FIRE FIGHTING MEASURES

General Measures	**Move containers to empty department if possible. If the container color is changed or some sound is produced from container, evacuate immediately. Use water jet to cool down the container in all the fire process.**
Flammability Conditions	**Product is a Combustible Solid.**
Extinguishing Media	**In case of fire, appropriate extinguishing media include water spray, foam, dry chemical and carbon dioxide.**
Hazardous Products of Combustion	**Combustible solid. This product may decompose upon fire to produce irritation fume. Product of combustion (decomposition): Carbon oxides, Sodium oxides**
Personal Protective Equipment	**Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.**
Flash Point	**No Data Available**
Lower Explosion Limit	**No Data Available**
Upper Explosion Limit	**No Data Available**
Auto Ignition Temperature	**No Data Available**
Hazchem Code	**No Data Available**

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	**Avoid accidents, clean up immediately. Slippery when spilt. Personnel involved in the clean up should wear full protective clothing as listed in section 8. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.**
Clean Up Procedures	**Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and dispose of promptly. Smaller spills can be flushed away with plenty of water to remove the product.**
Environmental Precautionary Measures	**Keep away of drains. Do not release into the environment.**

7. HANDLING AND STORAGE

Handling	**Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid handling which leads to dust formation. In common with many organic chemicals, may form flammable dust clouds in air. Avoid contact with eyes, skin and clothing. Do not inhale product dust/fumes.**
Storage	**Prevent direct sunlight. Keep container tightly closed in a cool, dry and well ventilated place. Keep away from fire and heat. Protect against physical damage. Store away from incompatible materials as listed in section 10. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.**
Container	**Store in original packaging as approved by manufacturer.**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	**No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). However, the exposure standard for dust not otherwise specified is 10mg/m3 (for inspirable dust) and 3mg/m3 (for respirable dust).**
Exposure Limits	**No Data Available**
Biological Limits	**No information available on biological limit values for this product.**
Engineering Measures	**A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.**
Personal Protection Equipment	**RESPIRATOR: Wear an effective dust mask where dusts/vapours are formed and engineering controls are inadequate (AS1715/1716) EYES: Safety glasses with side shields (AS1336/1337) HANDS: Wear PVC or rubber gloves (AS2161). CLOTHING: Standard work uniform/clothing and safety footwear (AS3765/2210)**
Work Hygienic Practices	**No Data Available**

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	**Solid**
Appearance	**Crystal**
Odour	**Odourless**
Colour	**White**
pH	**No Data Available**
Vapour Pressure	**No Data Available**
Relative Vapour Density	**No Data Available**
Boiling Point	**No Data Available**
Melting Point	**324ºC**
Freezing Point	**No Data Available**
Solubility	**No Data Available**
Specific Gravity	**1520Kg/m3**
Flash Point	**No Data Available**
Auto Ignition Temp	**No Data Available**
Evaporation Rate	**No Data Available**
Bulk Density	**No Data Available**
Corrosion Rate	**No Data Available**
Decomposition Temperature	**No Data Available**
Density	**1.528 g/cm3**
Specific Heat	**No Data Available**
Molecular Weight	**No Data Available**
Net Propellant Weight	**No Data Available**
Octanol Water Coefficient	**No Data Available**

Particle Size	**No Data Available**
Partition Coefficient	**No Data Available**
Saturated Vapour Concentration	**No Data Available**
Vapour Temperature	**No Data Available**
Viscosity	**No Data Available**
Volatile Percent	**No Data Available**
VOC Volume	**No Data Available**
Additional Characteristics	**No Data Available**
Potential for Dust Explosion	**The product is flammable but not readily ignited.**
Fast or Intensely Burning Characteristics	**No Data Available**
Flame Propagation or Burning Rate of Solid Materials	**No Data Available**
Non-Flammables That Could Contribute Unusual Hazards to a Fire	**No Data Available**
Properties That May Initiate or Contribute to Fire Intensity	**No Data Available**
Reactions That Release Gases or Vapours	**No Data Available**
Release of Invisible Flammable Vapours and Gases	**No Data Available**

10. STABILITY AND REACTIVITY

Chemical Stability	**Product is stable under normal conditions of use, storage and temperature. Combustible Solid. The product is hygroscopic.**
Conditions to Avoid	**Avoid excessive heat, direct sunlight, generating dust, moisture, static discharges, open flame and high temperatures.**
Materials to Avoid	**Strong oxidizing agents**
Hazardous Decomposition Products	**Not expected to decomposition under normal usage. Product of combustion (decomposition) if involved in fire: Carbon oxides, Sodium oxides.**
Hazardous Polymerisation	**Will not occur.**

11. TOXICOLOGICAL INFORMATION

General Information	**Oral LD50 Rat: 3530mg/Kg LC50 Inhalation - rat - 1 h - > 30,000 mg/m3 LD50 Dermal - rabbit - > 10,000 mg/kg. Skin Corrosion/Irritation: Skin - rabbit- Result: Mild skin irritation - 24 h Serious Eye Damage/Eye Irritation: Eyes - rabbit-Result: Mild eye irritation Carcinogenicity:None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA.**
EyeIrritant	**May irritate eyes, causing redness, pain, tearing.**
Ingestion	**May be harmful if swallowed. Ingestion may can cause abdominal pain, nausea, vomiting.**
Inhalation	**May be harmful if inhaled. May cause irritating to upper respiratory tract.**
SkinIrritant	**Causes mild skin irritation.**
Carcinogen Category	**No Data Available**

12. ECOLOGICAL INFORMATION

Ecotoxicity	**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.**

Persistence/Degradability	**Biodegradability Result: 99 % - Readily biodegradable**
Mobility	**Water soluble. Stays in water phase. non-volatile. Water solubility: 505g/L (25'C) 1702g/L (100'C) Soluble in water, liable to move.**
Environmental Fate	**The product is harmful to aquatic organisms. Do not let the material enter ground water, sewage system, waste water, soil . Do not release to environment without the permission of the local government.**
Bioaccumulation Potential	**No data available.**
Environmental Impact	**No Data Available**

13. DISPOSAL CONSIDERATIONS

General Information	**Do not dump into any sewers, on the ground or into any body of water. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.**
Special Precautions for Land Fill	**Contact a specialist disposal company or the local waste regulator for advice.**

14. TRANSPORT INFORMATION

Land Transport

Proper Shipping Name	**SODIUM ACETATE ANHYDROUS**
Class	**No Data Available**
Subsidiary Risk(s)	**No Data Available**
	No Data Available
UN Number	**No Data Available**
Hazchem	**No Data Available**
Pack Group	**No Data Available**
Special Provision	**No Data Available**

Sea Transport
IMDG

Proper Shipping Name	**SODIUM ACETATE ANHYDROUS**
Class	**No Data Available**
Subsidiary Risk(s)	**No Data Available**
UN Number	**No Data Available**
Hazchem	**No Data Available**
Pack Group	**No Data Available**
Special Provision	**No Data Available**
EMS	**No Data Available**
Marine Pollutant	**No**

Air Transport
IATA

Proper Shipping Name	**SODIUM ACETATE ANHYDROUS**
Class	**No Data Available**
Subsidiary Risk(s)	**No Data Available**
UN Number	**No Data Available**
Hazchem	**No Data Available**
Pack Group	**No Data Available**
Special Provision	**No Data Available**

16. OTHER INFORMATION

Revision	**2**
Reason for Issue	**updated SDS**
Key/Legend	**< Less Than** **> Greater Than** **atm Atmosphere** **CAS Chemical Abstracts Service (Registry Number)** **cm Square Centimetres** **CO2 Carbon Dioxide** **COD Chemical Oxygen Demand** **Degrees Celcius** **Degrees Farenheit** **g Grams** **g/cm Grams per Cubic Centimetre** **g/l Grams per Litre** **HSNO Hazardous Substance and New Organism** **IDLH Immediately Dangerous to Life and Health** **immiscible Liquids are insoluable in each other.** **inHg Inch of Mercury** **inH2O Inch of Water** **K Kelvin** **kg Kilogram** **kg/m Kilograms per Cubic Metre** **lb Pound** **LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.** **LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.** **ltr or L Litre** **m Cubic Metre** **mbar Millibar** **mg Milligram** **mg/24H Milligrams per 24 Hours** **mg/kg Milligrams per Kilogram** **mg/m Milligrams per Cubic Metre** **Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.** **mm Millimetre** **mmH2O Millimetres of Water** **mPa.s Millipascals per Second** **N/A Not Applicable** **NIOSH National Institute for Occupational Safety and Health** **NOHSC National Occupational Heath and Safety Commission** **OECD Organisation for Economic Co-operation and Development** **Oz Ounce** **PEL Permissible Exposure Limit** **Pa Pascal** **ppb Parts per Billion** **ppm Parts per Million** **ppm/2h Parts per Million per 2 Hours** **ppm/6h Parts per Million per 6 Hours** **psi Pounds per Square Inch** **R Rankine** **RCP Reciprocal Calculation Procedure** **STEL Short Term Exposure Limit** **TLV Threshold Limit Value** **tne Tonne** **TWA Time Weighted Average** **ug/24H Micrograms per 24 Hours** **UN United Nations** **wt Weight**