

\*\*\*SODIUM ACETATE\*\*  
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MATERIAL SAFETY DATA SHEET

736

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SUBSTANCE IDENTIFICATION

CAS-NUMBER 127-09-3

SUBSTANCE: \*\*\*SODIUM ACETATE\*\*

TRADE NAMES/SYNONYMS: ANHYDROUS SODIUM ACETATE; SODIUM ACETATE, TRIHYDRATE;  
S-207; S-209; S-210; S-220; S-608

CHEMICAL FAMILY:  
ORGANIC SALT

MOLECULAR FORMULA: C2-H3-NA-02 MOL WT: 82.04

CERCLA RATINGS (SCALE 0-3): HEALTH=2 FIRE=0 REACTIVITY=0 PERSISTENCE=0

COMPONENTS AND CONTAMINANTS

PERCENT: 100 COMPONENT: SODIUM ACETATE

OTHER CONTAMINANTS: NONE

EXPOSURE LIMITS:  
NONE ESTABLISHED

PHYSICAL DATA

DESCRIPTION: WHITE, HYGROSCOPIC POWDER MELTING POINT: 615 F (324 C)

SPECIFIC GRAVITY: 1.5 SOLUBILITY IN WATER: 120% (TRIHYDRATE)

SOLVENT SOLUBILITY: SOLUBLE IN ALCOHOL

FIRE AND EXPLOSION DATA

FIRE AND EXPLOSION HAZARD:  
SLIGHT HAZARD IN DUST FORM WHEN EXPOSED TO HEAT OR FLAME.

FINELY DISPERSED PARTICLES ARE EXPLOSIVE.

FLASH POINT: 1125 F (607 C)      AUTOIGNITION TEMP.: 1132 F (611 C)

FIREFIGHTING MEDIA:  
DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR ALCOHOL FOAM  
(1984 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.3).

FOR LARGER FIRES, USE WATER SPRAY, FOG OR ALCOHOL FOAM  
(1984 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.3).

FIREFIGHTING:  
NO ACUTE HAZARD. MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. AVOID BREATHING  
VAPORS OR DUSTS; KEEP UPWIND.

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TOXICITY

500 MG/24 HOURS SKIN-RABBIT MILD IRRITATION; 10 MG EYE-RABBIT MILD IRRITATION;  
6891 MG/KG ORAL-MOUSE LD50; 3530 MG/KG ORAL-RAT LD50; 335 MG/KG INTRAVENOUS-  
MOUSE LD50; CARCINOGEN STATUS: NONE.

SODIUM ACETATE MAY IRRITATE THE EYES, SKIN, AND MUCOUS MEMBRANE, AND IS  
MODERATELY TOXIC BY INGESTION.

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HEALTH EFFECTS AND FIRST AID

INHALATION:  
IRRITANT.

ACUTE EXPOSURE- MAY CAUSE RESPIRATORY IRRITATION, COUGH, DYSPNEA, AND RESP-  
IRATORY DISTRESS.

CHRONIC EXPOSURE- MAY CAUSE MUCOUS MEMBRANE IRRITATION.

FIRST AID- REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. IF BREATHING  
HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. KEEP AFFECTED PERSON WARM AND  
AT REST. GET MEDICAL ATTENTION.

SKIN CONTACT:  
IRRITANT.

ACUTE EXPOSURE- MAY CAUSE IRRITATION AND PAIN.

CHRONIC EXPOSURE- REPEATED OR PROLONGED CONTACT MAY CAUSE DERMATITIS.

FIRST AID- REMOVE CONTAMINATED CLOTHING AND SHOES IMMEDIATELY. WASH AFFECTED  
AREA WITH SOAP OR MILD DETERGENT AND LARGE AMOUNTS OF WATER UNTIL NO  
EVIDENCE OF CHEMICAL REMAINS (APPROXIMATELY 15-20 MINUTES). GET MEDICAL  
ATTENTION.

EYE CON  
IRRITAN

ACUTE EXPOSURE- CONTACT MAY CAUSE REDNESS, PAIN, AND IRRITATION.

CHRONIC EXPOSURE- REPEATED OR PROLONGED CONTACT MAY CAUSE CONJUNCTIVITIS.

FIRST AID- WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER, OCCASIONALLY LIFTING THE UPPER AND LOWER LIDS, UNTIL NO EVIDENCE OF CHEMICAL REMAINS (APPROXIMATELY 15-20 MINUTES). GET MEDICAL ATTENTION.

INGESTION:

MODERATELY TOXIC.

ACUTE EXPOSURE- MAY CAUSE NAUSEA, SORE THROAT, COUGHING, AND ABDOMINAL PAIN.

FIRST AID- IF VICTIM IS CONSCIOUS, IMMEDIATELY GIVE 2 TO 4 GLASSES OF WATER, AND INDUCE VOMITING BY TOUCHING FINGER TO BACK OF THROAT. GET MEDICAL ATTENTION IMMEDIATELY.

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REACTIVITY

REACTIVITY:

STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.

INCOMPATIBILITIES:

REACTION WITH DIKETENE MAY CAUSE VIOLENT POLYMERIZATION.  
MAY FORM EXPLOSIVE MIXTURE WITH POTASSIUM NITRATE.

DECOMPOSITION:

THERMAL DECOMPOSITION MAY RELEASE ACRID SMOKE AND IRRITATING FUMES.

POLYMERIZATION:

NOT KNOWN TO OCCUR.

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CONDITIONS TO AVOID

MAY BURN BUT DOES NOT IGNITE READILY. PREVENT DISPERSION OF DUST IN THE ATMOSPHERE. PROTECT CONTAINER FROM PHYSICAL DAMAGE. DO NOT STORE WITH INCOMPATIBLE SUBSTANCES.

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SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL:

WITH A CLEAN SHOVEL, PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER. MOVE CONTAINERS AWAY FROM SPILL AREA.

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PROTECTIVE EQUIPMENT

VENTILATION:

PROVIDE LOCAL EXHAUST OR GENERAL DILUTION VENTILATION SYSTEM.

RESPIRATORY HIGH LEVEL - SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE.

FIREFIGHTING- SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR POSITIVE-PRESSURE MODE.

CLOTHING:  
EMPLOYEE MUST WEAR APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT TO PREVENT REPEATED OR PROLONGED SKIN CONTACT WITH THIS SUBSTANCE.

GLOVES:  
EMPLOYEE MUST WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT CONTACT WITH THIS SUBSTANCE.

EYE PROTECTION:  
EMPLOYEE MUST WEAR SPLASH-PROOF OR DUST-RESISTANT SAFETY GOGGLES AND A FACESHIELD TO PREVENT CONTACT WITH THIS SUBSTANCE.

WHERE THERE IS ANY POSSIBILITY THAT AN EMPLOYEE'S EYES MAY BE EXPOSED TO THIS SUBSTANCE, THE EMPLOYER SHALL PROVIDE AN EYE-WASH FOUNTAIN WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE.

AUTHORIZED - ALLIED FISHER SCIENTIFIC  
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