**ALBUMEN**
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**MATERIAL SAFETY DATA SHEET**

**FISHER SCIENTIFIC**
**CHEMICAL DIVISION**
**1 REAGENT LANE**
**FAIR LAWN NJ 07410**

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**SUBSTANCE IDENTIFICATION**

**CAS-NUMBER 9006-50-2**

**SUBSTANCE:** **ALBUMEN**

**TRADE NAMES/SYNONYMS:**
- EGG WHITES; DRIED EGG WHITES; A-388; ACC00497

**CHEMICAL FAMILY:** HYDROXYL POLYNUCLEAR

**MOLECULAR FORMULA:** VARIABLE
**MOL WT:** VARIABLE

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

**NFPA RATINGS (SCALE 0-4):**
- HEALTH: 0
- FIRE: 0
- REACTIVITY: 0

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**COMPONENTS AND CONTAMINANTS**

**COMPONENT:** ALBUMEN
**CAS 9006-50-2**
**PERCENT:** 100

**OTHER CONTAMINANTS:** NONE

**EXPOSURE LIMITS:**
- NO OCCUPATIONAL EXPOSURE LIMITS ESTABLISHED BY OSHA, ACGIH, OR NIOSH

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**PHYSICAL DATA**

**DESCRIPTION:** CLEAR, COLOIDAL, FLOWING LIMPID MASS OR YELLOW TRANSPARENT,
AMORPHOUS LUMPS OR SCALES OF YELLOW POWDER.
**BOILING POINT:** 141.8 F (81 C)
**MELTING POINT:** 31 F (-0.42 C)
**SPECIFIC GRAVITY:** 1.0
**PH:** 7.6

**SOLUBILITY IN WATER:** SOLUBLE
**SOLVENT SOLUBILITY:** ACETONE

**FIRE AND EXPLOSION DATA**

**FIRE AND EXPLOSION HAZARD:** NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

**FIREFIGHTING MEDIA:**
- DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM
(1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5).

**FOR LARGER FIRES, USE WATER SPRAY, FOAM OR REGULAR FOAM**
(1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5).

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

**TOXICITY**

**CARCINOGEN STATUS:** NONE

**ALBUMEN IS A PRIMARY SIMPLE PROTEIN FOUND IN VARIOUS TYPES, IN ALL ANIMALS**
AND MANY PLANTS. IT IS CONSIDERED NON-TOXIC.

**HEALTH EFFECTS AND FIRST AID**

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**INHALATION:**
- ACUTE EXPOSURE: NO DATA AVAILABLE.
- CHRONIC EXPOSURE: NO DATA AVAILABLE.

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

**SKIN CONTACT:**
- ACUTE EXPOSURE: NO DATA AVAILABLE.
- CHRONIC EXPOSURE: NO DATA AVAILABLE.

**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 IMMEDIATELY.

**EYE CONTACT:**
- ACUTE EXPOSURE: NO DATA AVAILABLE. MAY BE IRRITATING.
- CHRONIC EXPOSURE: NO DATA AVAILABLE.

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

**INGESTION:**
- ACUTE EXPOSURE: NO ADVERSE EFFECTS HAVE BEEN REPORTED.
- CHRONIC EXPOSURE: NO ADVERSE EFFECTS HAVE BEEN REPORTED.

**FIRST AID:** IT IS UNLIKELY THAT EMERGENCY TREATMENT WILL BE REQUIRED. IF ADVERSE EFFECTS OCCUR, TREAT SYMPTOMATICALLY AND SUPPORTIVELY AND GET MEDICAL ATTENTION.

**ANTIDOTE:** NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

**REACTIVITY:**

**STABLE UNDER NORMAL TEMPERATURES AND Pressures.**

**INCOMPATIBILITIES:**
- ALBUMEN
- SALTS OF COPPER: DENATURED ON CONTACT.
- COPPER: DENATURED ON CONTACT.
- MERCURY: DENATURED ON CONTACT.
- SILVER: DENATURED ON CONTACT.
- HYDROGEN PEROXIDE: DENATURED ON CONTACT.
- HYDROCHLORIC ACID: DENATURED ON CONTACT.
- PERCHLORIC ACID: DENATURED ON CONTACT.
- ALUMINUM: DENATURED ON CONTACT.
- TANNIC ACID: DENATURED ON CONTACT.
- PHENOL: DENATURED ON CONTACT.

**DECOMPOSITION:**
- NONE HAZARDOUS.

**POLYMERIZATION:**
- HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND Pressures.

**CONDITIONS TO AVOID:**

**DECOMPOSES IN MOIST AIR. IN WATER IT SWELLS FIRST, THEN DISSOLVES SLOWLY.**

**SPILL AND LEAK PROCEDURES**

**OCCUPATIONAL SPILL:**
- NO SPECIAL PRECAUTIONS INDICATED.

**PROTECTIVE EQUIPMENT**

**VENTILATION:**
- PROVIDE GENERAL DILUTION VENTILATION.

**RESPIRATOR:**
- BASED ON THE COMPONENTS PRESENT AND/OR INFORMATION IN PHYSICAL DATA, HEALTH EFFECTS OR TOXICITY SECTIONS.

FOR FIREFIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS ANY SELF-CONTAINED BREATHING APPARATUS THAT HAS A FULL FACEPIECE AND IS OPERATED IN A PRESSURE-DEMAND OR OTHER POSITIVE-PRESSURE MODE.

ANY SUPPLIED-AIR RESPIRATOR THAT HAS A FULL FACEPIECE AND IS OPERATED IN A PRESSURE-DEMAND OR OTHER POSITIVE-PRESSURE MODE IN COMBINATION WITH AN AUXILIARY SELF-CONTAINED BREATHING APPARATUS OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE-PRESSURE MODE.

CLOTHING: PROTECTIVE CLOTHING NOT REQUIRED. AVOID REPEATED OR PROLONGED CONTACT WITH THIS SUBSTANCE.

GLOVES: PROTECTIVE GLOVES ARE NOT REQUIRED BUT RECOMMENDED.

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

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

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