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CAT NO: A388500

PO NBR: N/A

ALBUMEN
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MATERIAL SAFETY DATA SHEET

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SUBSTANCE IDENTIFICATION

SUBSTANCE: **ALBUMEN** CAS-NUMBER 9006-50-2

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

COMPONENTS AND CONTAMINANTS

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

OTHER CONTAMINANTS: NONE

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

PHYSICAL DATA

DESCRIPTION: CLEAR, COLLOIDAL, FLOWING LIMPID MASS OR YELLOW TRANSPARENT,
AMORPHOUS LUMPS OR SCALES OF YELLOW POWDER. BOILING POINT: 141.8 F (61 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:
NEGLECTIBLE 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, FOG 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

ALBUMEN:
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:
ALBUMEN:
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:
ALBUMEN:
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:
ALBUMEN:
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:
ALBUMEN:
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

REACTIVITY:
STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.

INCOMPATIBILITIES:
ALBUMEN:
SALTS OF COPPER: DENATURED ON CONTACT.
IRON: DENATURED ON CONTACT.
MERCURY: DENATURED ON CONTACT.
SILVER: DENATURED ON CONTACT.
HYDROGEN PEROXIDE: DENATURED ON CONTACT.
PHENOL: DENATURED ON CONTACT.
PICRIC ACID: DENATURED ON CONTACT.
ALUM: DENATURED ON CONTACT.
TANNIC ACID: DENATURED ON CONTACT.
FORMALDEHYDE: DENATURED ON CONTACT.
ETHER: DENATURED ON CONTACT.
ALCOHOL: 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, NO RESPIRATOR WOULD BE REQUIRED UNDER THE
NORMAL CONDITIONS OF USE. HOWEVER, AIR CONTAMINATION MONITORING SHOULD BE
CARRIED OUT TO ASSURE THAT THE EMPLOYEES ARE NOT EXPOSED TO HARMFUL

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CONCENTRATIONS OF ANY OF THE ABOVE MENTIONED COMPONENTS. IF RESPIRATORY PROTECTION IS REQUIRED, IT MUST BE BASED ON THE CONTAMINATION LEVELS FOUND IN THE WORKPLACE, MUST NOT EXCEED THE WORKING LIMITS OF THE RESPIRATOR AND BE JOINTLY APPROVED BY THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH AND THE MINE SAFETY AND HEALTH ADMINISTRATION (NIOSH-MSHA).

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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