

010-1386

Post Apple Scientific, Inc.  
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 Emergency Phone Number: 1-800/424-9300  
 Material Safety Data Sheet, Product# C1410 NAME: Aluminum Potassium Sulfate  
 Effective Date: November 17, 2005 Page 1

MATERIAL SAFETY DATA SHEET

SECTION 1. ----- CHEMICAL IDENTIFICATION-----

CATALOG #: C1410  
 NAME: ALUMINUM POTASSIUM SULFATE DODECAHYDRATE

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

CAS #: 7784-24-9

MF: ALKO8S2

SYNONYMS

ALUMINUM POTASSIUM SULFATE, DODECAHYDRATE \* KALINITE \* POTASSIUM  
 ALUM DODECAHYDRATE \*

SECTION 3. ----- HAZARDS IDENTIFICATION -----

LABEL PRECAUTIONARY STATEMENTS

IRRITANT

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF  
 WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE PROTECTIVE CLOTHING.

SECTION 4. ----- FIRST-AID MEASURES-----

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS  
 AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING  
 CONTAMINATED CLOTHING AND SHOES.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL  
 RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS  
 CONSCIOUS.

CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING  
 TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. ----- HANDLING AND STORAGE-----

REFER TO SECTION 8.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

CHEMICAL SAFETY GOGGLES.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

NIOSH/MSHA-APPROVED RESPIRATOR.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

DO NOT BREATHE DUST.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE AND ODOR

WHITE CRYSTALLINE POWDER

PHYSICAL PROPERTIES

MELTING POINT: 92 C

SPECIFIC GRAVITY: 1.757

SECTION 10. -----STABILITY AND REACTIVITY-----

STABILITY

STABLE.

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

BASES

STEEL

ALUMINUM

COPPER

ZINC

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

SULFUR OXIDES

ALUMINUM OXIDE

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

CAUSES EYE AND SKIN IRRITATION.

MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER  
RESPIRATORY TRACT.

EXPOSURE CAN CAUSE:

GASTROINTESTINAL DISTURBANCES

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND  
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: WS5690000

SULFURIC ACID, ALUMINUM POTASSIUM SALT (2:1:1), DODECAHYDRATE

TARGET ORGAN DATA

EFFECTS ON EMBRYO OR FETUS (FETOTOXICITY)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES  
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR  
COMPLETE INFORMATION.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN  
A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.  
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

CONTACT POST APPLE SCIENTIFIC, INC. FOR TRANSPORTATION INFORMATION.

SECTION 15. ----- REGULATORY INFORMATION -----

EUROPEAN INFORMATION

CAUTION: SUBSTANCE NOT YET FULLY TESTED.

IRRITANT

R 36/37/38

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

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IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF  
WATER AND SEEK MEDICAL ADVICE.

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WEAR SUITABLE PROTECTIVE CLOTHING.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

ACGIH TLV-TWA 2 MG(AL)/M3 DTLVS\* TLV/BEI,1999  
 OEL-AUSTRALIA: TWA 2 MG(AL)/M3, JAN1993  
 OEL-BELGIUM: TWA 2 MG(AL)/M3, JAN1993  
 OEL-DENMARK: TWA 2 MG(AL)/M3, JAN1999  
 OEL-FRANCE: VME 2 MG(AL)/M3, JAN1999  
 OEL-THE NETHERLANDS: MAC-TGG 2 MG(AL)/M3, JAN1999  
 OEL-RUSSIA: TWA 2 MG(AL)/M3, JAN1993  
 OEL-SWEDEN: NGV 2 MG(AL)/M3, JAN1999  
 OEL-SWITZERLAND: MAK-W 2 MG(AL)/M3, JAN1999  
 OEL-UNITED KINGDOM: TWA 2 MG/M3, SEP2000  
 OEL IN ARGENTINA, BULGARIA, COLOMBIA, JORDAN, KOREA CHECK ACGIH TLV;  
 OEL IN NEW ZEALAND, SINGAPORE, VIETNAM CHECK ACGIH TLV  
 NOES 1983: HZD X2889; NIS 1; TNF 45; NOS 1; TNE 406; TFE 361  
 SECTION 16. - - - - - OTHER INFORMATION - - - - -  
 THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT  
 PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. POST  
 APPLE SCIENTIFIC, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE  
 RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.